Advance Maths

Help-Kit 3

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Chapter-1
Revision

1. Write the following numerals and their number names.

Ans.

	Numeral	Number Name
a. 492	492	Four hundred ninety-two
b. 365	365	Three hundred sixty-five
c. 198	198	One hundred ninety-eight
d. 625	625	Six hundred twenty-five
e. 532	532	Five hundred thirty-two
f. 674	674	Six hundred seventy-four
g. 982	982	Nine hundred eight-two
h. 834	834	Eight hundred thirty-four

2. Read the number names and write the numerals for them.

Ans.

a. 658	b. 550	c. 349	d. 652	e. 213
f. 422	g. 711	h. 810	i. 460	j. 970
k. 606	l. 549	m. 414	n. 770	o. 505
p. 960	q. 900	r. 216	s. 113	t. 563

3. Write the expanded form of the numbers.

Ans.

a. 400 + 40 + 8	b. 300 + 30 + 7	c. 800 + 80 + 5
d. 900 + 20 + 1	e. 400 + 10 + 6	f. 700 + 30 + 0
g. 100 + 60 + 9	h. 200 + 0 + 5	

4. Write the short form.

Ans.

a. 215	b. 888	c. 556	d. 440
e. 907	f. 610	g. 394	h. 167

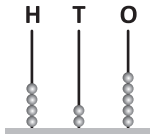
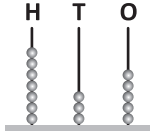
5. Write in hundreds, tens and ones.

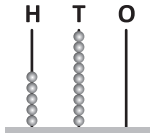
Ans.

a. 8 hundreds + 3 tens + 7 ones	b. 2 hundreds + 4 tens + 5 ones
c. 3 hundreds + 5 tens + 6 ones	d. 9 hundreds + 0 tens + 5 ones
e. 5 hundreds + 8 tens	f. 6 hundreds + 3 tens + 9 ones
g. 8 hundreds + 4 tens + 4 ones	h. 7 hundreds

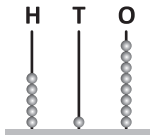
6. Write the numerals and number names as represented on abacus.

Ans.

	Abacus	Numeral	Number Name
a.		425	Four hundred twenty five
b.		735	Seven hundred thirty five

c. 

590 Five hundred ninety

d. 

518 Five hundred eighteen

7. Fill in the blanks :

Ans. a. two b. three c. 10
d. 99 e. 100 f. 999

8. Write the number that comes just after :

Ans. a. 503 b. 908 c. 523 d. 882
e. 643 f. 359 g. 990 h. 500

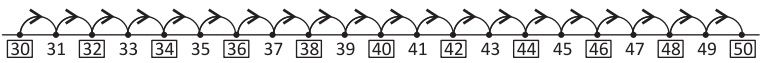
9. Write the number that comes just before :

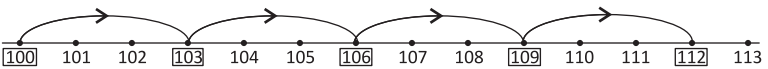
Ans. a. 621 b. 419 c. 648 d. 789
e. 456 f. 499 g. 339 h. 188

10. Fill in the boxes with correct symbol < , > or = :

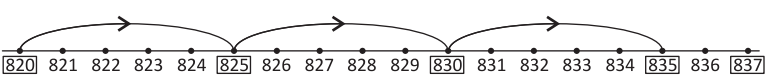
Ans. a. < b. > c. > d. < e. > f. >
g. < h. > i. < j. > k. < l. =
m. < n. > o. < p. < q. = r. <
s. < t. > u. <

11. Let's complete the following sequences by skip counting :

Ans. a.


b.


c.


d.


12. Note the pattern and fill in the blanks :

Ans. a. 12, 14, 16, 18, 20 b. 26, 31, 36, 41, 46
c. 110, 120, 130, 140, 150 d. 400, 415, 410, 405, 400
e. 357, 367, 377, 387, 397 f. 18, 21, 24, 27, 30
g. 30, 35, 40, 45, 50 h. 24, 28, 32, 36, 40
i. 11, 13, 15, 17, 19 j. 55, 50, 45, 40, 35
k. 55, 65, 75, 85, 9 l. 21, 28, 36, 45, 55
m. 66, 77, 88, 99, 110 n. 70, 65, 60, 55, 50
o. 15, 14, 13, 12, 11

13. 371, 373, 376, 377, 379, 381, 383, 385, 387, 389.

14. 125, 130, 135, 140, 145, 150.

15. 127, 137, 147, 157, 167, 177.

16. 316, 416, 516, 616, 716.

17. **Write the following numerals in decreasing order :**

Ans. a. 540 > 504 > 450 > 405 > 54 > 45

b. 960 > 906 > 690 > 61 > 609 > 69

c. 643 > 634 > 463 > 436 > 364 > 346

d. 760 > 560 > 460 > 360 > 260 > 160

e. 624 > 414 > 361 > 354 > 345 > 110

f. 614 > 576 > 391 > 292 > 286 > 285

g. 891 > 831 > 354 > 342 >314 > 245

h. 626 > 231 > 213 > 190 > 119 > 109

i. 432 > 402 > 401 > 240 > 148 > 140

j. 875 > 764 > 746 > 674 > 647 > 467

18. **Write the following numerals in increasing order :**

Ans. a. 378 < 387 < 735 < 783 < 837 < 873

b. 19 < 90 < 91 < 109 < 190 < 901

c. 55 < 500 < 505 < 550 < 555

d. 201 < 401 < 501 < 601 < 701 < 801

e. 246 < 249 < 429 < 469 < 684 < 864

f. 346 < 486 < 449 489 < 518 < 643

g. 278 < 287 < 289 < 872 < 877 < 878

h. 118 < 158 < 185 < 218 < 581 < 851

i. 116 < 161 < 166 < 169 < 196 < 199

j. 129 < 149 < 419 < 914 < 924 < 929

19. **Complete the following :**

Ans. a. 999 b. 10 c. 100

d. 99 e. 1000 f. 9999

20. 900

21. 90

22. 10

23. **Add the following :**

Ans. a.

	T	O
	3	7
+	2	2
	5	9

b.

	T	O
	8	7
+	3	1
1	1	8

c.

	H	T	O
	5	4	3
+	3	3	4
	8	7	7

d.

	H	T	O
	3	7	3
+	2	1	4
	5	8	7

e.

	H	T	O
	9	0	3
+		7	1
+		2	2
	9	9	6

f.

	Th	H	T	O
		8	7	6
+			7	2
+			5	2
	6	0	0	0

g.

	Th	H	T	O
		9	0	3
+			7	9
+			2	2
1	0	0	0	

h.

	H	T	O
	4	4	5
+		4	4
+			4
	4	9	3

24. Find the sum :

Ans. a. **444 + 88 + 333**

	H	T	O
	1	1	
	4	4	4
		8	8
+	3	3	3
	8	6	5

Hence, 444 + 88 + 333 = 865

b. **403 + 270 + 77**

	H	T	O
	1	1	
	4	0	3
	2	7	0
+		7	7
	7	5	0

Hence, 403 + 270 + 77 = 750

c. **439 + 251 + 81**

	H	T	O
	1	1	
	4	3	9
	2	5	1
+		8	1
	7	7	3

Hence, 439 + 251 + 81 = 771

d. **564 + 135 + 63**

	H	T	O
	1	1	
	5	6	4
	1	3	5
+		6	3
	7	6	2

Hence 564 + 135 + 63 = 762

e. **348, 362 and 46**

	H	T	O
	1	1	
	3	4	8
	3	6	2
+		4	6
	7	5	6

Hence, 348 + 362 + 46 = 756

f. **378, 36 and 13**

	H	T	O
	1	1	
	3	7	8
		3	6
+		1	3
	4	2	7

Hence, 378 + 36 + 13 = 427

25. Find the difference :

a.

	T	O
	4	9
−	2	2
	2	7

b.

	T	O
	6	8
−	5	7
	1	1

c.

	H	T	O
	4	3	6
−		1	5
	4	2	1

d.

	H	T	O
	9	9	9
−	6	6	6
	3	3	3

e.

	H	T	O
	6	8	2
−	3	0	1
	3	8	1

f.

	H	T	O
	3	3	3
−		1	0
	3	2	3

g.

	H	T	O
	4	4	7
−	1	3	7
	3	1	8

h.

	H	T	O
	8	7	9
−	5	8	7
	3	0	1

26. Subtract the following :

Ans. a. **42 from 374**

H	T	O
3	7	4
−	4	2
3	3	2

Hence, 374 – 42 = 332

b. **65 from 493**

H	T	O
	8	13
4	9	3
−	6	5
4	2	8

Hence, 493 – 65 = 428

c. **187 from 202**

H	T	O
1	9	12
2	0	2
− 1	8	7
0	1	5

Hence, 202 – 187 = 15

d. **196 from 500**

H	T	O
4	9	10
5	0	0
− 1	9	6
3	0	4

Hence, 500 – 196 = 304

e. **479 from 532**

H	T	O
4	12	12
5	3	2
+ 4	7	9
0	5	3

Hence, 532 – 479 = 53

f. **238 from 888**

H	T	O
8	8	8
+ 2	3	8
6	5	0

Hence, 888 – 238 = 650

27. Simplify the following :

Ans. a. **625 – 386**

H	T	O
5	1	15
6	2	5
− 3	8	6
2	3	9

Hence, 625 – 386 = 239

b. **803 – 575**

H	T	O
7	4	13
8	0	3
− 5	7	5
2	2	8

Hence, 803 – 575 = 228

c. **821 – 349**

H	T	O
7	11	11
8	8	1
− 3	4	9
4	7	2

Hence, 821 – 349 = 472

d. **600 – 509**

H	T	O
5	9	10
6	0	0
− 5	0	9
0	9	1

Hence, 600 – 509 = 91

e. **929 – 337**

H	T	O
5	12	
9	2	9
− 3	3	7
5	9	2

Hence, 929 – 337 = 592

f. **300 – 163**

H	T	O
2	9	10
3	0	0
− 1	6	3
1	3	7

Hence, 300 – 163 = 137

28. Fill in the blanks :

Ans. a. 4 b. 5 c. 7 d. 4 e. 1

29. Fill in the blanks.

Ans. a. 28 b. 49 c. 15 d. 40
e. 56 f. 45 g. 90 h. 64
i. 36

30. Put the appropriate sign + or × in each :

Ans. a. × b. × c. + d. × e. +
f. × g. 5 h. 9 i. 8

31. Multiply the following :

Ans. a.
$$\begin{array}{r} 0\,0\,0 \\ 8\,2 \\ \times\ 5 \\ \hline 4\,1\,0 \end{array}$$
b.
$$\begin{array}{r} 0\,0\,0 \\ 1\,0\,2 \\ \times\ 8 \\ \hline 8\,1\,6 \end{array}$$
c.
$$\begin{array}{r} 0\,0\,0 \\ 2\,6 \\ \times\ 9 \\ \hline 2\,3\,4 \end{array}$$
d.
$$\begin{array}{r} 0\,0\,0\,0 \\ 2\,3\,7 \\ \times\ 5 \\ \hline 1\,1\,9\,5 \end{array}$$

32. Solve the following in your note book :

Ans. a. $9\overline{)45}\,5$, -45, 0
b. $9\overline{)81}\,9$, -81, 0
c. $8\overline{)64}\,8$, -64, 0
d. $5\overline{)25}\,5$, -25, 0
e. $5\overline{)30}\,6$, -30, 0
f. $7\overline{)35}\,5$, -35, 0
g. $6\overline{)36}\,6$, -36, 0
h. $4\overline{)60}\,15$, -4, 20, -20, 0
i. $4\overline{)60}\,15$, -4, 20, -20, 0
j. $8\overline{)48}\,6$, -48, 0
k. $2\overline{)18}\,9$, -18, 0
l. $2\overline{)16}\,8$, -16, 0
m. $5\overline{)45}\,9$, -45, 0
n. $4\overline{)36}\,9$, -36, 0
o. $3\overline{)27}\,9$, -27, 0
p. $7\overline{)42}\,6$, -42, 0
q. $8\overline{)24}\,3$, -24, 0
r. $4\overline{)16}\,4$, -16, 0
s. $6\overline{)12}\,2$, -12, 0
t. $6\overline{)42}\,7$, -42, 0

33. Number of pages in 1 notebook = 68
Number of pages in 8 notebooks = 68 × 8
= 544

$$\begin{array}{r} {\scriptstyle 6} \\ 6\,8 \\ \times\ 8 \\ \hline 5\,4\,4 \end{array}$$

34. Number of days in a month = 30
Number of days in 5 months = 30 × 5
= 150 days

35. Number of seat a bus has = 52.
Number of seats in 6 bus = 52 × 6
= 312

$$\begin{array}{r} {\scriptstyle 1} \\ 5\,2 \\ \times\ 6 \\ \hline 3\,1\,2 \end{array}$$

36. Number of boys = 647
Number of girls = 218
Total children in school = 647 + 218
= 865

	H	T	O
		1	
	6	4	7
+	2	1	8
	8	6	5

37. Money earned = ₹1091
Money spent = ₹585
Money save = ₹1091 – ₹585
= ₹506

	Th	H	T	O
		10	8	11
	1	0	9	1
–		5	8	5
		5	0	6

38. **Divide using repeated subtraction and find the quotient :**

Ans. a. **21 ÷ 3**
21 – 3 = 18
18 – 3 = 15
12 – 3 = 9
9 – 3 = 6
6 – 3 = 3
3 – 3 = 0
Quotient = 21 ÷ 3 = 7

b. **48 ÷ 8**
48 – 8 = 40
40 – 8 = 32
32 – 8 = 24
24 – 8 = 16
16 – 8 = 8
8 – 8 = 0
Quotient = 48 ÷ 8 = 6

c. **50 ÷ 5**
50 – 5 = 45
45 – 5 = 40
40 – 5 = 35
35 – 5 = 30
30 – 5 = 25
25 – 5 = 20
20 – 5 = 15
15 – 5 = 10
10 – 5 = 5
5 – 5 = 0
Quotient = 50 ÷ 5 = 10

d. **36 ÷ 6**
36 – 6 = 30
30 – 6 = 24
24 – 6 = 18
18 – 6 = 12
12 – 6 = 6
6 – 6 = 0
Quotient = 36 ÷ 6 = 6

e. **45 ÷ 9**
45 – 9 = 36
36 – 9 = 27
27 – 9 = 18
18 – 9 = 9
9 – 9 = 0
Quotient = 45 ÷ 9 = 5

f. **35 ÷ 7**
35 – 7 = 28
28 – 7 = 21
21 – 7 = 14
14 – 7 = 7
7 – 7 = 0
Quotient = 35 ÷ 7 = 5

g. **10 ÷ 2**
10 – 2 = 8
8 – 2 = 6
6 – 2 = 4
4 – 2 = 2
2 – 2 = 0

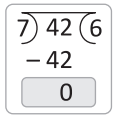
h. **28 ÷ 4**
28 – 4 = 24
24 – 4 = 20
20 – 4 = 16
16 – 4 = 12
12 – 4 = 8

Quotient = 10 ÷ 2 = 5

8 – 4 = 4
4 – 4 = 0
Quotient = 28 ÷ 4 = 7

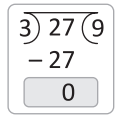
39. Divide and find the quotient :

Ans. a. **42 ÷ 7**



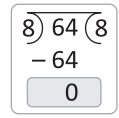
Quotient = 6

b. **27 ÷ 3**



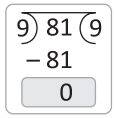
Quotient = 9

c. **64 ÷ 8**



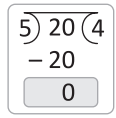
Quotient = 8

d. **81 ÷ 9**



Quotient = 9

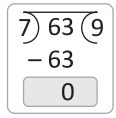
e. **20 ÷ 5**



Quotient = 4

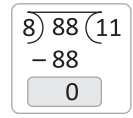
40. Divide by the long method and write the quotient and remainder in each case :

Ans. a. **63 ÷ 7**



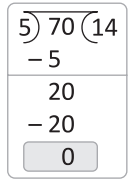
Quotient = 9, Remainder = 0

b. **88 ÷ 8**



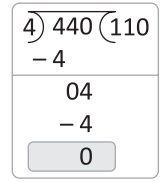
Quotient = 11, Remainder = 0

c. **70 ÷ 5**



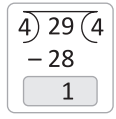
Quotient = 14, Remainder = 0

d. **440 ÷ 4**



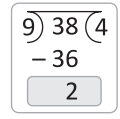
Quotient = 110, Remainder = 0

e. **29 ÷ 4**



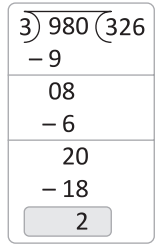
Quotient = 7, Remainder = 1

f. **38 ÷ 9**



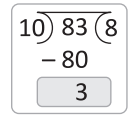
Quotient = 4, Remainder = 2

g. **980 ÷ 3**



Quotient = 326,
Remainder = 2

h. **83 ÷ 10**

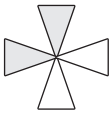
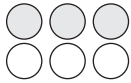
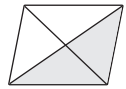


Quotient = 8, Remainder = 3

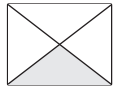
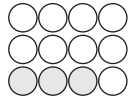
41. Write the fraction to indicate what part of each figure is shaded.

Ans. a. $\frac{1}{2}$ b. $\frac{1}{2}$ c. $\frac{1}{4}$ d. $\frac{1}{5}$ e. $\frac{3}{8}$

42. Shade one half ($\frac{1}{2}$) of each figure.

Ans. a.  b.  c.  d. 

43. Shade one-fourth ($\frac{1}{4}$) of each figure.

Ans. a.  b.  c.  d. 

44. Draw clock faces and show the times given below :

Ans. a.  b.  c. 

d.  e.  f. 

45. Write the time as shown in the clock.

Ans. a. 7 : 25 b. 9 : 05 c. 12 : 40

46. Fill in the blanks :

Ans. a. 28 b. 31 c. December

d. January e. 31 f. 31

47. Fill in the blanks :

Ans. a. 1 m b. 1 km c. 1 kg d. 1 litre

48. Add the following :

Ans. a. **25 p, 70 p, 18 p**

H	T	O
	(1)	
	7	5
	2	5
+	1	8
1	1	8

So, 25 p + 75 p + 18 p = 118 p

b. **₹120, ₹80, ₹45**

H	T	O
1	2	0
	8	0
+	4	5
2	4	5

Hence, ₹120 + ₹80 + ₹45 = ₹245

c. **730 m, 125 m and 85 m**

H	T	O
(1)	(1)	
7	3	0
1	2	5
+	8	5
9	4	0

So, 730 m + 125 m + 85 m = 940 m

d. **82 kg and 7 kg**

T	O
8	2
+	7
8	9

Hence, 82 kg + 7 kg = 89 kg

e. **312 kg and 80 kg**

H	T	O
3	1	2
+	8	0
3	9	2

So, 312 kg and 80 kg = 392 kg

f. **300 g, 275 g, 150 g**

	H	T	O
	1		
	5	0	0
	2	7	5
+	1	5	0
	7	2	5

So, 300 g + 275 g + 150 g = 725 g

g. **800 g, 100 g, 75 g**

H	T	O
8	0	0
1	0	0
+	7	5
9	7	5

So, 800 g + 100 g + 75 g = 975 g

h. **22 litres, 105 litres and 34 litres**

H	T	O
	1	
1	0	5
	2	2
+	3	4
1	6	1

So, 22 litres + 105 litres + 34 litres = 101 litres

i. **110 cm, 95 cm, 25 cm**

H	T	O
1	1	
1	1	0
	9	5
+	2	5
2	3	0

So, 110 cm + 95 cm + 25 cm = 230 cm

j. **225 ml, 170 ml, 185 ml**

	H	T	O
	1	1	
	2	2	5
	1	7	0
+	1	8	5
	5	8	0

So, 225 ml + 170 ml + 185 ml = 580 ml

49. Find the difference between :

Ans. a. **430 ml – 55 ml**

H	T	O
3	12	10
~~4~~	~~3~~	~~0~~
–	5	5
3	7	5

430 ml – 55 ml = 375 ml

b. **250 l – 80 l**

H	T	O
1	15	
~~2~~	~~5~~	~~0~~
–	8	0
1	7	0

So, 250 l – 80 l = 170 l

c. **67 kg – 30 kg**

T	O
6	7
– 3	0
3	7

So, 67 kg – 30 kg = 37 kg

d. **870 g – 45 g**

H	T	O
	6	10
~~8~~	~~7~~	~~0~~
– 4	3	5
4	3	5

So, 870 g – 435 g = 435 g

e. **94 m – 36 m**

	T	O
	8	14
	9	4
−	3	6
	5	8

So, 94 m – 36 m = 58 m

f. **70 cm – 28 cm**

	T	O
	6	10
	7	0
−	2	8
	4	2

So, 70 cm – 28 cm = 42 cm

50. Cost of 4 kg grapes = ₹100
Cost of 1 kg grapes = ₹(100 ÷ 4)
= ₹25

```
4) 100 (25
 −8
  20
 −20
   0
```

51. Cost of a notebooks = ₹72
Cost of 1 notebooks = ₹(72 ÷ 9)
= ₹8

```
9) 72 (8
 −72
   0
```

52. a. Blackboard, slate
b. Bangle, ring
c. Set square, pattern
d. Ball, marble
e. Soap cake, brick
f. Dalda tin, paint drum
g. Ice cream, joker's cap

53. **Fill in the blanks :**

Ans. a. **1** part, **2** equal
b. **2** part, **3** equal
c. **3** part, **4** equal
d. **1** part, **3** equal

54. **Find the sum.**

Ans. a.

	₹	P
	1	1
	15	35
+	18	27
	33	62

b.

	₹	P
	1 1	1
	48	75
+	15	35
	64	20

c.

	₹	P
	1	
	30	70
+	50	40
	81	10

d.

	₹7.50
+	₹3.25
	10.75

e.

	1 1
	₹28.63
+	₹ 9.54
	₹38.17

f.

	1 1
	₹30.65
+	₹18.86
	₹49.51

g.

	km	m
		1
	76	380
+	72	275
	148	655

h.

	km	m
	1	
	45	85
+	28	73
	73	158

i.

	m	cm
	1	1 1
	49	06
+	47	93
	96	99

j.

	m	cm
	1	1 1
	48	455
+	15	876
	63	331

k.

	km	m
	1 1	1 1
	89	296
+	283	856
	373	152

l.

	m	cm
	1	
	45	85
+	28	73
	73	158

55. Find the difference.

Ans. a.

₹36.37
−₹13.25
₹23.12

b.

₹65.20
−₹15.76
₹49.44

c.

₹80.63
−₹25.38
₹55.25

d.

₹	P
48	35
−14	32
34	03

e.

₹	P
59	37
−35	83
23	54

f.

₹	P
95	80
−76	75
19	05

g.

₹	P
69	357
−27	216
42	141

h.

km	m
5	1210
8	308
−32	417
53	891

i.

m	cm
96	105
−23	84
72	21

j.

m	cm
45	18
− 9	24
35	94

k.

kg	g
78	576
−24	265
54	311

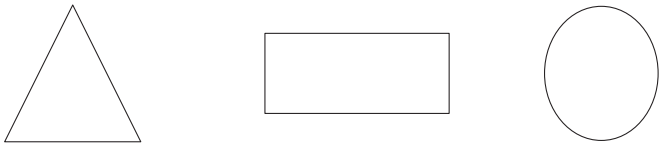
l.

kg	g
67	063
−15	237
51	826

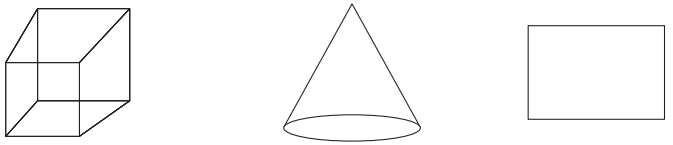
56. Draw the following figures in your notebook :

Ans. a. **a line** b. **a line segment** c. **a ray**

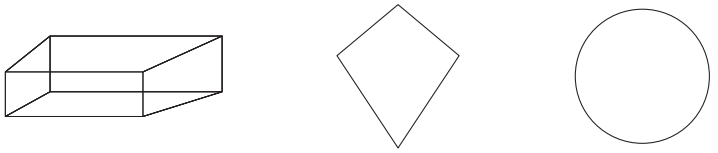
d. **a triangle** e. **a rectangle** f. **a circle**



g. **a cube** h. **a cone** i. **a square**



j. **a cuboid** k. **a kite** l. **a sphere**



57. How many squares are there in each figure?

Ans. a. **5** squares b. **20** squares c. **5** squares

58. Fill in the boxes :

Ans. a. 8 tens, 6 ones b. 309

c. 200 d. 690 691 692

e. 794 795 796 797. f. 299 298 297 296 295.

g. 398 h. 93 i. 3000 j. 600

59. Fill in the blanks :

Ans.

a.	three	b.	three	c.	four	d.	four
e.	six	f.	twelve	g.	eight	h.	one
i.	edge, corner	j.	three	k.	no	l.	two

Chapter-2
Number and Numeration
Exercise-2.1

1. Complete the following number grid :

Ans.

1001	1011	1021	1031	1041	1051	1061	1071	1081	1091
1002	1012	1022	1032	1042	1052	1062	1072	1082	1092
1003	1013	1023	1033	1043	1053	1063	1073	1083	1093
1004	1014	1024	1034	1044	1054	1064	1074	1084	1094
1005	1015	1025	1035	1045	1055	1065	1075	1085	1095
1006	1016	1026	1036	1046	1056	1066	1076	1086	1096
1007	1017	1027	1037	1047	1057	1067	1077	1087	1097
1008	1018	1028	1038	1048	1058	1068	1078	1088	1098
1009	1019	1029	1039	1049	1059	1069	1079	1089	1099
1010	1020	1030	1040	1050	1060	1070	1080	1090	1100

2. Write the number names of the following numerals :

Ans.

a. Three thousand two hundred eighty-four
b. Five thousand five hundred twenty-three
c. Eight thousand four hundred
d. Nine thousand three hundred twenty-seven
e. Seven thousand two hundred fifty-four
f. Seven thousand thirty-five
g. One thousand three hundred twenty-six

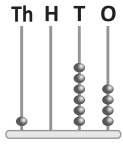
3. Observe the pictorial blocks and write the number they represent :

Ans. a. 1354 b. 3535 c. 67766 d. 2321 e. 3023 f. 2501

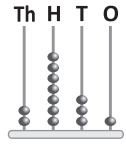
4. Draw beads to represent the following numbers on the abacus :

Ans.

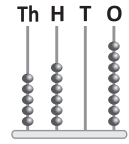
a. **1064**



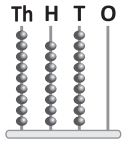
b. **2731**



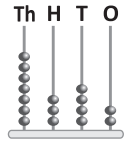
c. **5608**



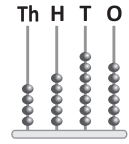
d. **9890**



e. **7342**



f. **4576**



5. Write the numbers represented on the abacus.

Ans. a. 5243 b. 3451 c. 3630 d. 4637 e. 4057 f. 7805

6. Write the missing numbers in the number grid and read the numbers aloud.

Ans. a.

1001	1011	1021	1031	1041	1051	1061	1071	1081	1091
1002	1012	1022	1032	1042	1052	1062	1072	1082	1092
1003	1013	1023	1033	1043	1053	1063	1073	1083	1093
1004	1014	1024	1034	1044	1054	1064	1074	1084	1094
1005	1015	1025	1035	1045	1055	1065	1075	1085	1095
1006	1016	1026	1036	1046	1056	1066	1076	1086	1096
1007	1017	1027	1037	1047	1057	1067	1077	1087	1097
1008	1018	1028	1038	1048	1058	1068	1078	1088	1098
1009	1019	1029	1039	1049	1059	1069	1079	1089	1099
1010	1020	1030	1040	1050	1060	1070	1080	1090	1100

b.

2221	2222	2223	2224	2225	2226	2227	2228	2229	2230
2231	2232	2233	2234	2235	2236	2237	2238	2239	2240
2241	2242	2243	2244	2245	2246	2247	2248	2249	2250
2251	2252	2253	2254	2255	2256	2257	2258	2259	2260
2261	2262	2263	2264	2265	2266	2267	2268	2269	2270
2271	2272	2273	2274	2275	2276	2277	2278	2279	2280
2281	2282	2283	2284	2285	2286	2287	2288	2289	2290
2291	2292	2293	2294	2295	2296	2297	2298	2299	2300
2301	2302	2303	2304	2305	2306	2307	2308	2309	2310
2311	2312	2313	2314	2315	2316	2317	2318	2319	2320

7. Write the numbers that follow :

Ans. a. 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014

b. 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259

c. 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334

d. 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476

e. 4893, 4894, 4895, 4896, 4897, 4898, 4899, 4900, 4901, 4902

8. Count backward and fill in the numbers :

Ans. a. 1020, 1019, 1018, 1017, 1016, 1015, 1014, 1013, 1012, 1011

b. 1345, 1344, 1343, 1342, 1341, 1340, 1339, 1338, 1337, 1336

c. 3789, 3788, 3787, 3786, 3785, 3784, 3783, 3782, 3781, 3780

d. 4321, 4320, 4319, 4318, 4317, 4316, 4315, 4314, 4313, 4312

9. Continue the pattern :

Ans. a. 4000, 4002, 4004, 4006, 4008, 4010, 4012, 4014, 4016, 4018

b. 5015, 5020, 5025, 5030, 5035, 5040, 5045, 5050, 5055, 5060

c. 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000
d. 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400

10. Fill in by counting forward :

Ans. a. 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024
b. 5792, 5793, 5794, 5795, 5796, 5797, 5798, 5799, 5800, 5801
c. 6327, 6328, 6329, 6330, 6331, 6332, 6333, 6334, 6335, 6336
d. 9010, 9011, 9012, 9013, 9014, 9015, 9016, 9017, 9018, 9019

11. Count backwards and fill in :

Ans. a. 2180, 2179, 2178, 2177, 2176, 2175, 2174, 2173, 2172, 2171
b. 4675, 4674, 4673, 4672, 4671, 4670, 4669, 4668, 4667, 4668
c. 5871, 5870, 5869, 5868, 5867, 5866, 5865, 5864, 5863, 5862
d. 9324, 9323, 9322, 9321, 9320, 9319, 9318, 9317, 9316, 9315

NCERT Corner

Ans. Do it yourself.

Exercise-2.2

1. Write the following numbers in words. One has been done for you :

Ans. a. Fifty-one thousand nine hundred twenty-five
b. Nine hundred seventy-four
c. Fourteen thousand two hundred six
d. Two thousand fifty two
e. Thirty-four thousand five hundred sixty eight
f. Thirteen thousand one hundred seventy nine
g. Fifty-two thousand five hundred seventy six
h. Seventy thousand nine hundred one
i. Four thousand four hundred seven

2. Write the following numbers in figures. One has been done four you :

Ans. a. 8, 3, 2, 1, 0 b. 6, 8, 3, 0, 4 c. 0, 7, 9, 0, 7
d. 0, 0, 9, 4, 5 e. 9, 1, 7, 0, 2

3. Write the following numbers in your notebook and then write their number names :

Ans. a. Seven thousand five hundred ninety-four
b. Tree thousand two hundred and seventeen
c. Fifty thousand five hundred and one
d. Seventy two thousand five hundred and thirty two
e. Twenty eight thousand seven hundred twenty five
f. Eighty five thousand seven hundred twenty five
g. Eight thousand seven
h. Twenty one thousand one hundred twelve
i. Three thousand eight hundred
j. Fifty seven thousand eight hundred ninety
k. Seventy thousand and nine hundred
l. Thirty thousand twenty

m. Fifty four thousand four hundred forty four
n. Eleven thousand seven hundred and eight
o. Sixty five thousand seven hundred forty nine

4. Read the following and write in figures. Also, put the period marks :

Ans. a. 4428 b. 5763 c. 4502 d. 6811 e. 3002 f. 61276

5. Write in figures in your notebook :

Ans. a. 6361 b. 9713 c. 5057 d. 1101 e. 4768 f. 87411

6. Make a place value chart and put the following numbers in the chart and read them :

Ans.

a. 4,541	b. 8,683	c. 7,025	d. 6,629
e. 9,668	f. 75,750	g. 28,232	h. 65,229
i. 40,088	j. 20,000	k. 39,624	l. 42,068

Period	Thousands		Ones		
Place	Ten Thousands	Thousands	Hundreds	Tens	Ones
Numeral (4541)		4	5	4	1
8683		8	6	8	3
7025		7	0	2	5
6629		6	6	2	9
9668		9	6	6	8
75750	7	5	7	5	0
28232	2	8	2	3	2
65229	6	5	2	2	9
40088	4	0	0	8	8
20000	2	0	0	0	0
39624	3	9	6	2	4
42068	4	2	0	6	8

NCERT Corner

- **Write the names of the above objects in the two groups given below.**

Ans.

Things that need electricity	Things that don't need electricity
TV	Chair, Clock, Pillow, Bed, Blanket
Fan	
Lamp	

Exercise-2.3

1. Complete the following place value charts :

Ans. a.

	Tens	Ones
17	1	7
23	2	3

b.

	Hundreds	Tens	Ones
137	1	3	7
250	7	5	0

14	1	4
37	3	7
56	5	6

309	3	0	9
642	6	4	2
971	9	7	1

2. Write the period and place value of the following encircled digits :

Ans. a. **7 (1) 35**

Period = Hundred
Place value = 100

b. **942 (7)**

Period = Ones
Place value = 7

c. **62 (8) 7**

Period = Tens
Place value = 80

d. **(2) 698**

Period = Thousand
Place value = 2000

3. Answer the following questions :

Ans. a. 5 b. 2 c. 7 d. 5

4. Circle the correct number in the following :

Ans. a. 6325 b. 5637

5. Find the difference of the place values of both 3's in 3315.

Ans. 3000 – 300 = 2700

6. In each of the following numbers, find the sum of the place values of 5 :

Ans. a. 5057 ; 500 + 50 = 5050 b. 8595 ; 50 + 5 = 505

7. Write the place value and face value of each circled digit of the given numbers in the table :

Ans.

Number	(9)671	2(0)83	398(0)	94(4)2	18(8)5
Place Value	9000	0	0	40	80
Face Value	9	0	0	4	8

8. Find the difference between the place value and the face value of each underlined digit :

Ans.

	Place value	Face value	Difference
a. 7621	20	2	18
b. 2728	700	7	93
c. 3705	5	5	0
d. 6957	6000	6	5999
e. 2595	500	5	495
f. 82761	1	1	0

Exercise-2.4

1. Write the following in the standard form (short form) :

Ans. a. 1832 b. 8092 c. 7506 d. 5670

2. Tick (✔) the correct number :

Ans. a. 9408 b. 5670 c. 7000

3. Write the following in the expanded form :

Ans. a. **7** thousands + **4** hundreds + **5** tens + **6** ones

b. **2** thousands + **0** hundreds + **4** tens + **9** ones
c. **9** thousands + **2** hundreds + **0** tens + **6** ones
d. **8** thousands + **6** hundreds + **4** tens + **5** ones

4. Write the expanded form of the following numbers. One has been done for you :

Ans. a. 7000 + 900 + 40 + 5
b. 8000 + 200 + 70 + 3
c. 5000 + 400 + 30 + 4
d. 8000 + 100 + 70 + 9
e. 5000 + 0 + 20 + 4
f. 4000 + 300 + 0 + 8
g. 9000 + 200 + 70 + 0

5. Fill in the boxes. One has been done for you :

Ans. a. **5** thousand + **5** hundreds + **2** tens + **9** ones
b. **3** hundreds + **2** tens + **1** ones
c. **2** hundreds + **0** tens + **6** ones
d. **1** ten thousands **1** thousands + **5** hundreds + **6** tens + **3** ones
e. **1** ten thousands **4** thousands + **0** hundreds + **4** tens + **7** ones
f. **6** ten thousands **7** thousands + **0** hundreds + **4** tens + **2** ones
g. **5** ten thousands **0** thousands + **4** hundreds + **9** tens + **2** ones

6. Fill in the boxes. One has been done for you :

Ans. a. (i) 39,215 = **3** × 10,000 + **9** × 1000 + **2** × 100 + **1** × 10 + **5** × 1
(ii) 20,564 = **2** × 10,000 + **5** × 100 + **6** × 10 + 4 × 1
b. 6,529 = **6** × 1000 + **5** × 100 + **2** × 10 + **9** × 1
c. 63,634 = **6** × 10,000 + **3** × 1000 + **6** × 100 + **3** × 10 + 4
d. 79,432 = **7** × 10,000 + **9** × 1000 + **4** × 100 + **3** × 10 + 2
e. 80,691 = **8** × 10,000 + **6** × 100 + **9** × 10 + **1** × 1
f. 20,083 = **2** × 10,000 + **8** × 10 + **3** × 1

7. Write in figures. One has been done for you :

Ans. a. (i) 3 thousands + 9 hundreds + 8 tens + 5 ones = 3985
(ii) 8 × 1000 + 2 × 100 + 6 × 10 + 4 × 1 = 8264
(iii) 60,000 + 2000 + 700 = 2 = 62,702
b. 1356 c. 24852 d. 76417 e. 40670
f. 5009 g. 63216 h. 5105

8. Write in expanded form :

Ans. a. **8,818**
= 8000 + 800 + 10 + 8
b. **9,425**
= 9000 + 400 + 20 + 5
c. **6,051**
= 6000 + 0 + 50 + 1
d. **5,003**
= 5000 + 0 + 0 + 3
e. **3,408**
= 3000 + 400 + 0 + 8
f. **6,751**
= 6000 + 700 + 50 + 1
g. **38,414**
= 30000 + 8000 + 400 + 10 + 4
h. **29,303**
= 20000 + 9000 + 300 + 4
i. **52,005**
= 50000 + 2000 + 0 + 0 + 5
j. **23,409**
= 20000 + 3000 + 400 + 0 + 9

k. **22,416**
= 20000 + 2000 + 400 + 10 + 6

l. **12,030**
= 2000 + 0 + 30 + 0

m. **79,324**
= 70000 + 9000 + 300 + 2 + 4

n. **40,004**
= 40000 + 9000 + 300 + 2 + 4

9. Write in figures :

Ans. a. 321 b. 204 c. 1265 d. 6663 e. 85928
f. 40453 g. 2003 h. 77685 i. 2497 j. 34043
k. 20203 l. 57198 m. 64384

Exercise-2.5

1. Tick (✔) the greatest and cross (✘) the smallest in each set :

Ans. a. 2689 (✘) 4925 (✔) b. 4057 (✘) 8173 (✔)
c. 1987 (✘) 2999 (✔) d. 9381 (✔) 1235 (✘)
e. 9989 (✔) 9819 (✘) f. 6023 (✘) 6320 (✔)

2. Put the correct sign <, > or =.

Ans. a. < b. > c. > d. < e. =
f. > g. < h. < i. <

3. Arrange the following numbers in ascending order :

Ans. a. 3420, 4000, 4012, 4388
b. 8, 88, 888, 8888
c. 298, 3285, 3469, 4061
d. 1189, 1289, 1892, 1982
e. 999, 9099, 9909, 9990
f. 6143, 6314, 6341, 6431
g. 3249, 3294, 3429, 3492, 3924, 3942
h. 200, 500, 700, 500, 700, 2000

4. Arrange the following numbers in descending order :

Ans. a. 5080, 4852, 4295, 4172
b. 8173, 8157, 8137, 3875
c. 7649, 7549, 7496, 7459
d. 8291, 8192, 8129, 8091
e. 1321, 1312, 1213, 1123
f. 4523, 5619, 4807, 5032
g. 4329, 3736, 2156, 1248, 1100, 890
h. 8000, 7000, 6000, 5000, 1000, 900
i. 7328, 6875, 5548, 4540, 3823, 2389

5. Fill in the blanks :

Ans. 1. 10,0000 b. 998 c. 1001

6. Write the successor of each numeral :

Ans. a. **3,787**
The successor of 3787 is 3,788.

b. **899**
The successor of 899 is 900.

c. **277**
The successor of 277 is 278.

d. **319**
The successor of 319 is 320.

e. **4,176**
The successor of 4,176 is 4,177.

f. **2,218**
The successor of 2,218 is 2,219.

g. **60,234**
The successor of 60,234 is 60,235.

h. **91,713**
The successor of 91,713 is 91,714.

i. **6,000**
The successor of 6,000 is 6,001.
j. **20,000**
The successor of 20,000 is 20,001.
k. **18,163**
The successor of 18,163 is 18,164.
l. **97,965**
The successor of 97,965 is 97,966.
m. **30,298**
The successor of 30,298 is 30,299.
n. **28,533**
The successor of 28,533 is 28,534.
o. **3,86,214**
The successor of 3,86,214 is 3,86,215.

7. Write down the predecessor of each numeral :

Ans. a. The predecessor of 770 is 769. b. The predecessor of 360 is 359.
c. The predecessor of 449 is 448. d. The predecessor of 557 is 556.
e. The predecessor of 889 is 888.
f. The predecessor of 6,700 is 6,699.
g. The predecessor of 5,733 is 5732.
h. The predecessor of 3,230 is 3,229.
i. The predecessor of 8,975 is 8,974.
j. The predecessor of 7,999 is 7,998.
k. The predecessor of 88,216 is 88,215.
l. The predecessor of 80,000 is 79,999.
m. The predecessor of 57,000 is 56,999.
n. The predecessor of 2,00,000 is 1,99,999.
o. The predecessor of 37,602 is 37,601.

8. Write in the spaces given on both the sides of the numbers :

Ans.

	Predecessor	Number	Successor
a.	**72,155**	72,156	**72,157**
b.	**35,999**	36,000	**36,001**
c.	**23,199**	23,200	**23,201**
d.	**34,321**	34,322	**34,323**
e.	**4,999**	5,000	**5001**
f.	**59,999**	60,000	**63,001**
g.	**37,092**	37,093	**37,094**
h.	**8,98,021**	8,89,022	**8,89,023**

9. Write in the spaces :

Ans.

	Predecessor	Number	Successor
a.	3,762	**3,763**	3,764
b.	2,000	**2,001**	2,002

c.	6,497	**6,498**	6,499
d.	8,999	**9,000**	9,001
e.	38,213	**38,214**	38,215
f.	5,201	**5,202**	5,203
g.	7,999	**8,000**	8,001
h.	62,059	**62,060**	62,061
i.	34,822	**34,923**	34,824

Exercise-2.6

1. Build the greatest and the smallest number with the given digits, using each digit only once :

Ans.

	Digits	**Greatest Number**	**Smallest Number**
a.	3, 8, 2, 1	8321	1238
b.	5, 6, 0, 3	6530	3056
c.	9, 5, 8, 7	9875	5789
d.	0, 2, 4, 6	6420	2046

2. Fill in the blanks :

Ans. a. 999 b. 1000 c. 9999 d. 1023 e. 9876

3. Complete the table :

Ans.

S.No.	Number	1 more than	1 less than	10 more than	10 less than
a.	4696	4697	4695	4706	4686
b.	7936	7937	7935	7946	7926
c.	8273	8274	8272	8283	8263

S.No.	Number	1 more than	1 less than	10 more than	10 less than
a.	5439	5539	5339	6039	4439
b.	2073	2173	1973	3073	1073
c.	8241	8341	8141	9241	7241
d.	6355	6455	6255	7355	5395

4. Match the following :

Ans. a. (iii) b. (v) c. (i) d. (viii)
e. (ii) f. (iv) g. (vii) h. (vi)

5. Pick out even and odd numbers from the following.

Ans. **Even numbers** : 36, 548, 90, 12, 480, 14, 386, 504, 82, 94, 938, 648
Odd numbers : 839, 65, 637, 473, 95, 39, 15, 61, 231, 59, 93

Exercise-2.7

1. Counting by 5's.

Ans. **Forward** : 1460 1465 1470 1475 1480
Backward : 4562 4557 4552 4547 4542

2. Counting by 10's.

Ans. **Forward** : 2584 2594 2604 2614 2624

Backward : 8723 8713 8703 8693 8683

3. Counting by 100's.

Ans. Forward : 8869 8969 9069 9169 9269

Backward : 2126 2026 1926 1826 1726

4. Counting by 1000's.

Ans. Forward : 3429 5429 7429 9429 11429

Backward : 5242 4242 3242 2242 1242

5. Write the number which are more or less than 3006 :

Ans. a. 3006 + 1000 = 4006 b. 3006 – 1000 = 2006

c. 3006 + 100 = 3106 d. 3006 – 100 = 2906

6. Look at the pattern and write three numerals just after :

Ans. a. 8,512 8,612 8,712

b. 999 99 9

c. 3,085 3,080 3,075

d. 5,196 5,300 5,304

e. 2,000 200,000 20,00,000

f. 3,950 4,050 4,150

7. Write 5 consecutive numbers just after :

Ans. a. 5 consecutive numbers just after 6,126 are :
6127, 6129, 6130, 6131.

b. 5 consecutive numbers just after 7000 are :
7001, 7002, 7003, 7004, 7005.

c. 5 consecutive numbers just after 14,201 are :
14202, 14203, 14204, 14205, 14206.

d. 5 consecutive numbers after 20,405 are :
20406, 20407, 20408, 20409, 20410.

e. 5 consecutive numbers just after 8,999 is :
9000, 9001, 9002, 9003, 9004.

8. Write 5 consecutive numbers just before :

Ans. a. 5 consecutive numbers just before 2000 are :
1999, 1998, 1997, 1996, 1995.

b. 5 consecutive numbers just before 3894 are :
3893, 3892, 3891, 3890, 3889.

c. 5 consecutive numbers just before 7087 are :
7086, 7085, 7084, 7083, 7084.

d. 5 consecutive numbers just before 8,9999 are :
89998, 89997, 89996, 89995, 89994.

e. 5 consecutive numbers just before 90,835 are :
90834, 90833, 90832, 90831, 90,830.

Exercise-2.8

1. Round the following numbers to the nearest tens :

Ans. a. 70 b. 40 c. 20 d. 10

e. 160 f. 920 g. 440 h. 290

2. Round the following numbers to the nearest hundreds :

Ans. a. 100 b. 400 c. 700 d. 900
e. 1800 f. 1200 g. 2300 h. 6400

3. Round the following numbers to the nearest thousands.

Ans. a. 1000 b. 2000 c. 8000 d. 6000
e. 12000 f. 7000 g. 45000 h. 18000

4. Answer the following :

Ans. a. 8700 b. 27000 c. 9000

5. Here are the attendance figures for 5 cricket matches. Round each figure to the nearest 1000, 10 and 10 :

Ans.

	Attendance	To nearest 1000	To nearest 100	To nearest 10
a.	5721	6000	5700	5720
b.	6909	7000	6900	6910
c.	8004	8000	8000	8000
d.	8499	8000	8500	8500

6. Match the following :

Ans. a. (v) b. (iv) c. (i) d. (iii) e. (ii)

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. c 2. b 3. a 4. b 5. a 6. c

MENTAL MATHS

Ans. Who am I?

My ones digit is six. My tens digit is 3 less than my ones digit.
My hundreds digit is 3 more than my tens digit.
My thousands digit is 3 less than my hundreds digit.
I am the number **3636**.
Write the digits in reverse order. Is the new number greater or less than the original number? **6393 Greater than original number**.

TEST EXERCISE

1. Write the next five numbers after the given number.

Ans. 5199, 5200, 5201, 5202, 5203, 5204

2. Understand the pattern and write four more numbers in the given series.

Ans. 1668, 1670, 1672, 1674, 1676, 1678, 1680

3. Write the number name for 7608.

Ans. Seven hundred six hundred eight

4. Write the numeral for two thousands five hundred fifty-two.

Ans. 2552

5. Write the standard form of :

Ans. 9 thousands + 5 hundreds + 6 tens + 7 ones = 9567

6. Write the expanded form of :

Ans. 8213 = 8000 + 200 + 10 + 3

7. Write the period and place value of :

Ans. a. Hundred, 5000 b. Thousand, 6000

8. Write the predecessor of 9390.

Ans. 9389

9. Write the successor of 6089.

Ans. 6090

10. Fill in the correct sign >, < and =.

Ans. a. > b. < c. =

11. Arrange 6128, 7073, 1858, 2598 in ascending order.

Ans. The numbers in ascending order are 1858 > 25989 < 6128 < 7073.

12. Arrange 6656, 5836, 6056, 5921 in descending order.

Ans. The number in descending order are 6656 > 6056 > 5921 > 5836

13. Write the greatest and smallest 4-digit number that can be formed by.

Ans. a. Greatest 4-digit number that can be formed by 2, 3, 0, 5 is 5320.

b. Smallest 4-digit number that can be formed by 2, 3, 0, 5 is 2035.

14. Answer the following questions :

Ans. a. Number of people on Tuesday = 8437
Number of people on Wednesday = 8432
There were less people on Wednesday.

b. Cost of a DVD from mall = ₹6340
Cost of DVD at local shop = ₹6430
Cost of DVD is more at local shop than at mall.

c. Total number of shops in the mall = 2000
Number of shops opened = 1
Now, total number of shops in the mall = 2000 + 1
= 2001

d. Number of people who visited toy shop = 4000
Number of people who went outside for some reasons = 10
People remained in top shop = 4000 – 10
= 3990

Chapter-3
Roman Numerals
Exercise-3.1

1. Write the Roman numerals for the following :

Ans. a. VIII b. I c. XXV d. M e. XIX
f. C g. XXX h. CC i. XLIX j. LXXV
k. D l. XC

2. Write the Hindu-Arabic numbers for each of the following :

Ans. a. 7 b. 14 c. 500 d. 50 e. 43
f. 10 g. 20 h. 18 i. 25 j. 53
k. 110 l. 600

3. Fill in the following boxes with '>' or '<' :

Ans. a. < b. > c. < d. < e. > f. <

4. Fill in the following boxes with '>', '<' or '=' :

Ans. a. < b. > c. = d. < e. = f. =

5. Arrange the numbers in ascending order

Ans. a. IV, VI, VII, IX b. IX, XIV, XIX, XXV c. XL, XLIV, LII, LX

6. Arrange the numbers in descending order :

Ans. a. IX, VIII, V, IV b. XXX, XXV, XIX, XIV c. LX, LI, XLIX, XL

7. Write the time shown by the following clocks :

Ans. a. 10 : 00 b. 8:30 c. 6 : 00
d. 2 : 30 e. 4 : 00 f. 9 : 00

8. Match the following :

Ans. a. I b. IX c. VI d. X e. IV

9. Fill in the blanks :

Ans. a. Roman number system b. V, L and D
c. I, X and C d. 3

10. Add the following :

Ans. a. IV b. X c. XIII d. XII e. XVI
f. LXIX g. LII h. XC i. C

11. Subtract the following :

Ans. a. V b. VII c. III d. XIV e. XXI
f. XL g. LII h. L i. LXXX

12. Write the Roman numerals from 31 to 40.

Ans.

31	XXXI	32	XXXII	33	XXXIII
34	XXXIV	35	XXXV	36	XXXVI
37	XXXVII	38	XXXVIII	39	XXXIX
40	XL				

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. b. 2. b. 3. a. 4. a.

NCERT Corner

- **All of the following Math problems are wrong. Correct them by moving one match stick in each problem.**

Ans. a.

b.

c.

Chapter-4
Addition
Exercise-4.1

1. Add the following :

Ans. a.

	T	O
	5	2
+	3	5
	8	7

b.

	T	O
	(1)	
	3	6
+	1	8
	5	4

c.

	T	O
	4	2
+	2	7
	6	9

d.

	H	T	O
	1	3	8
+	3	6	1
	4	9	9

e.

	H	T	O
	2	4	5
+	4	2	3
	6	6	8

f.

	H	T	O
	6	7	1
+	1	1	8
	7	8	9

g.

	H	T	O
		(1)	
	1	0	6
+	4	0	8
	5	1	4

h.

	H	T	O
	3	7	8
+	2	2	4
	6	0	2

Exercise-4.2

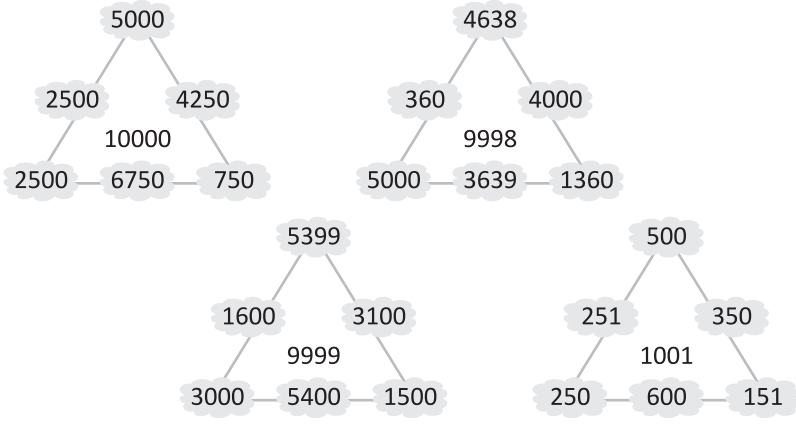
1. Fill in the blanks to make the statements correct :

Ans. a. 8256 + 2432 = **2432** + 8256
b. **0** + 7216 = 7216 + **0**
c. 2999 + 3404 = **3404** + 2999
d. **8156** + 5163 = 8156 + **5163**
e. 3487 + **2249** = 2249 + **3487**
f. 3873 + 2954 + 5321 = 5321 + **3873** + 2954
g. **215** + 6547 + 70971 = 215 + **6547** + 70971
h. 8776 + 1 = 1 + **8775**
i. 2819 + 1364 + 3761 = **3761** + 2819 + 1364
j. 70765 + 0 = **0** + 70765
k. **247** + 1163 = 247 + **1163**
l. 497 + 734 + 363 = 363 + **734** + 497
m. 2741 + 100 = **100** + 2741

NCERT Corner

- **Interchange the numbers in the clouds, so that the numbers on each side of the triangle add up to the number in the centre.**

Ans.



Exercise-4.3

1. Add :

Ans. a.

Th	H	T	O
	4	1	5	3
+	1	3	4	2
	5	4	9	5

b.

Th	H	T	O
	3	5	3	3
+	2	1	6	3
	5	6	9	6

c.

Th	H	T	O
	2	2	3	7
+	5	3	1	1
	7	5	4	4

d.

Th	H	T	O
	5	6	8	2
+	3	2	0	6
	8	8	8	8

e.

Th	H	T	O
	3	4	2	3
+	5	3	6	5
	8	7	8	8

f.

Th	H	T	O
	7	5	4	1
+	1	2	4	7
	8	7	8	8

g.

Th	H	T	O
	4	4	7	1
+	1	3	0	0
	5	7	7	1

h.

Th	H	T	O
	9	0	3	2
+	0	9	6	7
	9	9	9	9

i.

Th	H	T	O
	5	1	0	3
	1	0	5	5
+	3	1	1	1
	9	2	6	9

j.

Th	H	T	O
	4	2	3	8
	1	1	2	0
+	3	5	3	0
	8	8	8	8

k.

Th	H	T	O
	5	4	6	7
	2	2	1	0
+	1	3	2	1
	8	9	9	8

l.

Th	H	T	O
	7	6	0	2
	1	1	0	0
+	1	0	5	6
	9	7	5	8

m.

Th	H	T	O
	3	2	4	6
+	2	3	3	2
	5	5	7	8

n.

Th	H	T	O
	2	3	2	6
+	1	3	7	0
	3	6	9	6

o.

Th	H	T	O
	5	7	3	9
+	2	1	5	0
	7	8	8	9

2. Solve these sums in your notebook :

Ans. a. **1284 + 2315**

Th	H	T	O
	1	2	8	4
−	2	3	1	5
	3	5	9	9

So, 1284 + 2315 = 3599

b. **2596 + 7403**

Th	H	T	O
	2	5	9	6
−	7	4	0	3
	9	9	9	9

So, 2596 + 7403 = 9999

c. **3425 + 3313**

Th	H	T	O
	3	4	2	5
−	3	3	1	3
	6	7	3	8

So, 3425 + 3313 = 6738

d. **3567 + 4222**

Th	H	T	O
	3	5	6	7
−	4	2	2	2
	7	7	8	9

So, 3567 + 4222 = 7789

e. **6000 + 1000**

Th	H	T	O
	6	0	0	0
−	1	0	0	0
	7	0	0	0

So, 6000 + 1000 = 7000

f. **6142 + 2535**

Th	H	T	O
	6	1	4	2
−	2	5	3	5
	8	6	7	7

So, 6142 + 2535 = 8677

g. **2364 + 7123**

	Th	H	T	O
	2	3	6	4
−	7	1	2	3
	9	4	8	7

So, 2364 + 7123 = 9487

h. **3727 + 2162 + 2000**

	Th	H	T	O
	3	7	2	7
	2	1	6	2
+	2	0	0	0
	7	8	8	9

So, 3727 + 2162 + 2000 = 789

i. **4302 + 3024 + 2430**

	Th	H	T	O
	4	3	0	2
	3	0	2	4
+	2	4	3	0
	9	7	5	6

So, 4302 + 3024 + 2430 = 9756

j. **800000 + 80000 + 8000 + 800 + 8**

	L	TTh	Th	H	T	O
	8	0	0	0	0	0
		8	0	0	0	0
			8	0	0	0
				8	0	0
+						8
		8	8	8	0	8

So, 800000 + 80000 + 8000 + 800 + 8 = 888808

k. **72094 + 32561 + 217096**

	L	TTh	Th	H	T	O
	(1)	(1)		(2)	(1)	
		7	2	0	9	4
		3	2	5	6	1
+	2	1	7	0	9	6
	3	2	1	7	5	1

So, 72094 + 32561 + 217096 = 321751

l. **37604 + 82140 + 9999 + 2222**

	TTh	Th	H	T	O
	(2)	(1)	(1)	(1)	
	3	7	6	0	4
	8	2	1	4	0
		9	9	9	9
+		2	2	2	2
1	3	1	9	6	5

So, 37604 + 82140 + 9999 + 2222 = 131965

m. **45621 + 49341 + 72803**

	TTh	Th	H	T	O
	(1)	(1)			
	4	5	6	2	1
	4	9	3	4	1
+	7	2	8	0	3
1	6	7	7	6	5

So, 45621 + 49341 + 72803 = 167765

n. **88888 + 55555 + 44444**

	TTh	Th	H	T	O
	(1)	(1)	(1)	(1)	
	8	8	8	8	8
	5	5	5	5	5
+	4	4	4	4	4
1	8	8	8	8	7

So, 88888 + 55555 + 44444 = 188887

Exercise-4.4

1. Add :

Ans. a.

	Th	H	T	O
			(1)	
	3	6	3	7
+	1	2	2	4
	4	8	6	1

b.

	Th	H	T	O
	(1)	(1)	(1)	
	4	7	0	9
+	2	2	9	5
	7	0	0	4

c.

	Th	H	T	O
	(1)			
	7	6	6	0
+	1	7	3	7
	9	3	9	2

d.

Th	H	T	O
	1	1	
3	9	5	4
+ 5	0	7	6
9	0	3	0

e.

Th	H	T	O
		1	
8	7	2	7
+ 1	0	6	6
9	7	9	3

f.

Th	H	T	O
1	1	1	
2	9	6	9
+ 5	2	9	7
8	2	6	6

g.

H	T	O
1	1	
3	8	4
+ 2	2	9
6	1	3

h.

H	T	O
1	1	
6	2	7
+ 2	9	5
9	2	2

i.

H	T	O
	1	
2	4	1
2	3	8
+ 5	1	4
9	9	3

j.

H	T	O
	1	
2	0	2
2	4	5
+ 2	2	4
6	7	1

k.

H	T	O
1		
3	1	5
2	9	0
+ 1	6	1
7	6	6

l.

H	T	O
1	1	
3	1	2
2	8	7
+ 3	4	5
9	4	4

m.

H	T	O
1	1	
2	2	8
2	9	7
+ 1	6	3
6	8	8

n.

H	T	O
1	1	
5	1	4
1	9	9
+ 2	6	3
9	7	6

o.

Th	H	T	O
1	2	1	
7	4	2	9
1	4	7	6
+	6	9	5
0	6	0	0

2. Add the following :

Ans. a.

Th	H	T	O
1			
3	5	1	2
+ 4	6	2	1
8	1	3	3

b.

Th	H	T	O
	1	1	
3	2	7	5
+ 1	5	8	6
4	8	6	1

c.

Th	H	T	O
1		1	
9	7	5	4
+ 2	3	2	7
1	2	0	8	1

d.

Th	H	T	O
0	0	0	
5	3	9	1
+ 1	6	8	9
7	0	8	0

e.

Th	H	T	O
0	0	0	
3	1	3	4
+ 2	8	7	6
6	0	0	0

f.

Th	H	T	O
	0	0	
7	0	3	9
+ 2	5	8	4
9	6	2	3

g.

Th	H	T	O
1	1	1	
3	9	4	4
+ 5	7	9	6
9	7	4	0

h.

Th	H	T	O
		1	
7	4	2	7
+ 6	3	6	8
1	2	7	9	5

i.

Th	H	T	O
1	1		
9	8	4	3
+ 1	7	9	6
1	1	6	3	9

j.

Th	H	T	O
1	1	1	
5	6	2	8
1	1	7	8
+ 2	5	6	3
9	3	6	9

k.

Th	H	T	O
1	1	1	
8	4	9	3
1	1	4	6
+ 2	8	7	6
1	2	5	1	5

l.

Th	H	T	O
1	1	1	
3	6	1	2
1	8	7	5
+ 4	4	8	3
9	9	7	0

m.

	Th	H	T	O
		1		
	8	1	9	2
+	2	2	8	2
+	3	4	1	2
	1	3	8	8	6

n.

	Th	H	T	O
	1	1	1	
	7	7	2	2
+	9	8	3	6
+	3	9	6	2
	2	1	5	2	0

o.

	Th	H	T	O
	1	1	1	
	3	6	1	2
+	1	8	7	5
+	4	4	8	3
	9	9	7	0

3. Solve these sums in your notebook :

Ans. a. **2095 + 2345**

	Th	H	T	O
		1	1	
	8	0	9	5
+	2	3	4	5
	4	4	4	0

Hence, 2095 + 2345 = 4440

b. **6349 + 1368**

	Th	H	T	O
		1	1	
	6	3	4	4
+	1	3	6	8
	7	7	1	7

Hence, 6349 + 1368 = 7717

c. **3740 + 2788**

	Th	H	T	O
	1	1		
	3	7	4	0
+	2	7	8	8
	6	5	2	8

Hence, 3740 + 2788 = 6528

d. **6899 + 2235**

	Th	H	T	O
	1	1	1	
	6	8	9	9
+	2	2	3	5
	9	1	3	4

Hence, 6899 + 2235 = 9134

e. **3235 + 5583**

	Th	H	T	O
		1		
	3	2	3	5
+	5	5	8	3
	8	8	1	8

Hence, 3235 + 5583 = 8818

f. **1999 + 6399**

	Th	H	T	O
	1	1	1	
	1	9	9	9
+	6	3	9	9
	8	3	9	8

Hence, 1999 + 6399 = 8398

g. **4110 + 3987 + 527**

	Th	H	T	O
	1	1	1	
	4	1	1	0
	3	9	8	7
+		5	2	7
	8	6	2	4

Hence, 4110 + 3987 + 527 = 8624

h. **3175 + 4250 + 1750**

	Th	H	T	O
	1	1		
	3	1	7	5
	4	2	5	0
+	1	7	5	0
	4	1	7	5

Hence, 3175 + 4250 + 1750 = 9175

i. **7046 + 1798**

	Th	H	T	O
		1	1	
	7	0	4	6
+	1	7	9	8
	8	8	4	4

Hence, 7046 + 1798 = 8844

j. **1096 + 2346 + 3062**

	Th	H	T	O
		2	1	
	1	0	9	6
	2	3	4	6
+	3	0	6	2
	6	5	0	4

Hence, 1096 + 2346 + 3062 = 6504

k. **3044 + 788**

Th	H	T	O
	1	1	
3	0	4	4
+	7	8	8
3	8	3	2

Hence, 3044 + 788 = 3832

l. **2821 + 490 + 706**

Th	H	T	O
1	1		
2	8	2	1
	4	9	0
+	7	0	6
4	0	2	7

Hence, 2821 + 490 + 706 = 4017

m. **2978 + 4088**

Th	H	T	O
1	1	1	
2	9	7	8
+ 4	0	8	8
7	0	6	6

Hence, 2978 + 4088 = 7066

n. **8792 + 1189**

Th	H	T	O
	1	1	
8	7	9	2
+ 1	1	8	9
9	9	8	1

Hence, 8792 + 1189 = 9981

o. **2312 + 4105**

Th	H	T	O
2	3	1	2
+ 4	1	0	5
6	4	1	7

Hence, 2312 + 4105 = 6417

p. **1074 + 2306 + 23**

Th	H	T	O
	1	1	
1	0	7	4
2	3	0	6
	+	2	3
3	4	0	3

Hence, 1074 + 2306 + 23 = 3403

q. **1217 + 1934 + 2407**

Th	H	T	O
1		1	
1	2	3	4
1	2	3	4
+ 1	2	3	4
1	2	3	4

Hence, 1217 + 1934 + 2407 = 5558

r. **1968 + 1732 + 1062**

Th	H	T	O
1	1	1	
1	9	6	8
1	7	3	2
+ 1	0	6	2
4	7	6	2

Hence, 1968 + 1732 + 1062 = 4762

s. **4110 + 3987 + 527**

Th	H	T	O
1	1		
4	1	1	0
3	9	8	7
+	5	2	7
8	6	2	4

Hence, 4110 + 3987 + 527 = 8624

t. **3175 + 4250 + 1750**

Th	H	T	O
1	1		
3	1	7	5
4	2	5	0
+ 1	7	5	0
9	1	7	5

Hence, 3175 + 4250 + 1750 = 9175

NCERT Corner

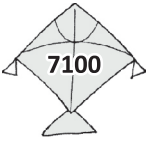
- **Colour the correct kite :**

Ans. 1. **246 added to 4621**

2. **Sum of 3421 and 6321**

3. **3650 added to 1289**

4. **Sum of 4721 and 2379**



5. **4692 add to 1693**

6. **Sum of 3791 and 2579**

7. **Sum of 3210, 2109, 309 and 145**

Exercise-4.5

1. Add the following :

Ans. a. 92 b. 967 c. 1249 d. 2188 e. 1631
f. 817 g. 8414 h. 8679 i. 5367 j. 7117
k. 6215 l. 8007 m. 9659 n. 8000

2. Solve in your notebooks :

Ans. a. 7999 b. 5837 c. 4845 d. 8354 e. 6943
f. 4735 g. 6225 h. 9029 i. 1395 j. 5893
k. 6010 l. 3540 m. 8998 n. 6874

NCERT Corner

- **Write the missing numbers in each box to get the number written on the top.**

Ans.

5749	**8144**	**3060**
5739 + **10**	7144 + **1000**	3050 + **10**
5609 + 100	8034 + **110**	2960 + **100**
4749 + **1000**	**7144** + 1000	**2060** + 1000

Exercise-4.6

Ans. 1. Number of students in school A = 3194
Number of students in school B = 2997
Total students = 3914 + 2197
= 6191

Th	H	T	O
1	1	1	
3	1	9	4
+ 2	9	9	7
6	1	9	1

2. Number of mango trees = 2460
Number of apple trees = 3709
Number of peach trees = 3165
Total number of trees in orchard = 2460 + 3709 + 3165
= 9334

Th	H	T	O
1	1	1	
2	4	6	0
3	7	0	9
+ 3	1	6	5
9	3	3	4

3. Eggs sells in the first week = 2856
Eggs sells in the second week of August = 1488
Total eggs sold = 2856 + 1488
= 4344

Th	H	T	O
1	1	1	
2	8	5	6
+ 1	4	8	8
4	3	4	4

4. No. of people who went to see cricket match = 3380
No. of people who went to see hockey match = 3497
Total people who went to see the matches = 3380 + 3497
= 6877

Th	H	T	O
	1		
3	3	8	0
+ 3	4	9	7
6	8	7	7

5. Runs scored by Virat Kohli in ODIs = 1243
Runs scored by him in tests = 1174
Total runs scored by him = 1243 + 1174
= 2417

Th	H	T	O
	0		
1	2	4	3
+ 1	1	7	4
2	4	1	7

6. Number of apple trees = 1670
Number of peach trees = 2270
Total trees in orchard = 1670 + 2270
= 3940

Th	H	T	O
	0		
1	6	7	0
+ 2	2	7	0
3	9	4	0

7. No. of bananas purchased by Mr Gupta = 2561
Total fruits he purchase on that day = 2561 + 1234
= 3795

Th	H	T	O
2	5	6	1
+ 1	2	3	4
3	7	9	5

8. Number of tickets which were sold in first half = 2561
Number of tickets sold in second half = 16970
Total tickets sold altogether = 2561 + 16970
= 19531

TTh	Th	H	T	O
	1	1		
1	6	9	7	0
+	2	5	6	1
1	9	5	3	1

9. Population of first village = 6287
Population of second village = 3913
Population of first village = 5438
Total population of 3 villages = 8287 + 3193 + 5438
= 14918

Th	H	T	O
	1	1	
6	2	8	7
3	1	9	3
+ 5	4	3	8
4	9	1	8

10. Number of pencils bought = 2936
Number of erasers bought = 2368
Number of notebooks bought = 3000
Total number of stationery he bought = 2936 + 2368 + 3000
= 8304

Th	H	T	O
1	1	1	
2	9	3	6
2	3	6	8
+ 3	0	0	0
8	3	0	4

11. Money saved by Raj = ₹3250
Money could by Rohan = ₹4675
= ₹3250 – ₹4675
Total money they both save = ₹7925

Th	H	T	O
	1		
3	2	5	0
+ 4	6	7	5
7	9	2	5

12. Number of toffees distributed by Ruchi on diwali = 257
No. of toffees distributed by Ruchi on Christmas = 320
Total toffees distributed = 257 + 320
= 577

H	T	O
2	5	7
+ 3	2	0
5	7	7

13. Number of visitors who went to Book fair on Sunday = 4248
Number of visitors who went on Monday = 2750
Number of visitors who went to Book fair on Tuesday = 1888
Total number of visitors = 4248 + 2750 + 1888
= 8886

Th	H	T	O
1	1	1	
4	2	4	8
2	7	5	0
+ 1	8	8	8
8	8	8	6

14. Cost of bluetooth = ₹2750
Cost of mobile = ₹3400
Cost of tablet = ₹1675
Total money he spent = ₹2750 + ₹3400 + ₹1675
= ₹7825

	Th	H	T	O
	1	1		
	2	7	5	0
	3	4	0	0
+	1	6	7	5
	7	8	2	5

15. No. of flowers plucked from a garden = 245
No. of flowers plucked from another garden = 355
Total flowers gardener pluck in all = 245 + 355
= 600

	H	T	O
	1	1	
	2	4	5
+	3	5	5
	6	0	0

16. Number of men = 2754
Number of women = 2450
Number of children = 3745
Total population of town = 2754 + 2450 + 3745
= 8949

	Th	H	T	O
	1	1		
	2	7	5	4
	2	4	5	0
+	3	7	4	5
	8	9	4	9

17. Runs scored by Virat Kohli in ODIs = 1243
Runs scored by Virat Kohli in test = 1174
Total runs he scored altogether = 1243 + 1174
= 2417

	Th	H	T	O
		1		
	1	2	4	3
+	1	1	7	4
	2	4	1	7

18. Number of apple trees = 1670
Number of peach trees = 2270
Total number of trees in orchard = 1670 + 2270
= 3940

	Th	H	T	O
		1		
	1	6	7	0
+	2	2	7	0
	3	9	4	0

19. Number of bananas purchased = 2561
Number of apples purchased = 1234
Total fruits he purchase on that day = 2561 + 1234
= 3795

	Th	H	T	O
	2	5	6	1
+	1	2	3	4
	3	7	9	5

20. Number of books of English = 5890
Number of books of Hindi = 3875
Total books = 5890 + 3875
= 9765

	Th	H	T	O
	1	1		
	5	8	9	0
+	3	8	7	5
	9	7	6	5

21. Cost of 1 cow = ₹2795
Cost of other cow = ₹1885
Total cost of 2 cows = ₹2795 + ₹1885
= ₹4680

	Th	H	T	O
	1	1	1	
	2	7	9	5
+	1	8	8	5
	4	6	8	0

22. Cost of first farm = ₹5430
Cost of other farm = ₹3850
Total money he paid = ₹5430 + ₹3850
= ₹9280

Th	H	T	O
1			
5	4	3	0
+ 3	8	5	0
9	2	8	0

23. Coconuts covered from one farm = 3872
Coconuts covered from other farm = 4948
Total coconuts he collected from both farms = 3872 + 4948
= 8820

Th	H	T	O
1	1	1	
3	8	7	2
+ 4	9	4	8
8	8	2	0

24. Earning of Mr Paul's salary = ₹2550
Earning of Mr Paul's salary = ₹3260
Total money they earn together = ₹2550 + ₹3260
= ₹5810

Th	H	T	O
	1		
2	5	5	0
+ 3	2	6	0
5	8	1	0

25. Number of first class seats = 236
Number of second class seats = 2848
Total number of seats in train = 236 + 2848
= 3084

Th	H	T	O
1		1	
	2	3	6
+ 2	8	4	8
3	0	8	4

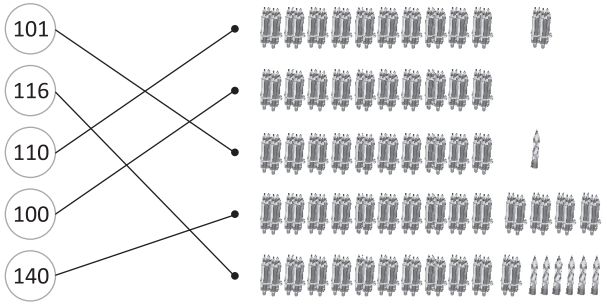
26. Number of stamps Sayed have = 2468
Number of stamps Amina have = 295
Total stamps they have in all = 2468 + 295
= 2763

Th	H	T	O
	1	1	
2	4	6	8
+	2	9	5
2	7	6	3

NCERT Corner

- **Match the numbers with the correct pencil bundle and loose pencils.**

Ans.



Exercise-4.7

- **Fill in the correct digits in the boxes :**

Ans. a.

Th	H	T	O
3	**0**	2	**1**
+ 1	3	**5**	7
4	3	7	8

b.

Th	H	T	O
5	4	2	1
+ **3**	**3**	**5**	**8**
8	7	7	9

c.

Th	H	T	O
3	4	2	**0**
+ **6**	3	**6**	5
9	**7**	8	5

d.

Th	H	T	O
3	5	8	**0**
+ 3	**0**	0	9
6	5	**8**	9

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. b. 2. a. 3. a. 4. b. 5. a. 6. c. 7. b. 8. c.

MENTAL MATHS

- **Use the codes given above and find the sum :**

Ans. a.

Th	H	T	O
	7	4	0	3
+	9	4	7	2
1	6	8	7	5

b.

Th	H	T	O
	1	1	
	5	0	8	3
+	9	4	4	8
1	4	5	3	1

c.

Th	H	T	O
	1	1	
	2	0	9	7
+	1	4	3	6
	3	5	3	3

d.

Th	H	T	O
	5	1	0	4
+	6	0	2	4
	4	1	2	8

e.

Th	H	T	O
1			
	6	4	4	3
+	9	4	1	
	7	3	8	4

f.

Th	H	T	O
	1	1	
	2	4	7	4
+	9	7	4	4
1	2	2	1	8

TEST EXERCISE

1. Find the following sums :

Ans. a.

Th	H	T	O
	3	1	2	7
+	2	4	7	1
	5	5	9	8

b.

Th	H	T	O
	1	1	
	4	4	6	6
+	5	3	9	9
	9	8	6	5

c.

Th	H	T	O
		1	
	6	2	0	4
+	1	5	7	4
	7	7	8	2

d.

Th	H	T	O
	2	5	4	0
	1	0	3	5
+	3	3	1	4
	6	8	8	9

e.

TTh	Th	H	T	O
	1	1	1	
	4	3	0	2
	2	9	8	3
+	7	2	4	7
1	4	5	3	2

f.

TTh	Th	H	T	O
		1	1	
	3	4	9	0
	5	1	8	8
+	9	2	9	6
1	7	9	7	4

2. Add the following numbers :

Ans. a. **4326 and 3132**

Th	H	T	O
	4	3	2	6
+	3	1	3	2
	7	4	5	6

Hence, 4326 + 3132 = 7458

b. **6852 and 2135**

Th	H	T	O
	6	8	5	2
+	2	1	3	5
	8	9	8	7

Hence, 6852 + 2135 = 8987

c. **6485 and 2946**

Th	H	T	O
1	1	1	
	6	4	8	5
+	2	9	4	6
	9	4	3	1

Hence, 6485 + 2946 = 9431

d. **2085, 6984 and 9470**

Th	H	T	O
1	1		
	2	0	8	5
	6	9	8	9
+	9	4	7	0
1	8	5	3	9

Hence, 2085 + 6984 + 9470 = 18539

e. **8942, 6125 and 1893**

	Th	H	T	O
	1	1	1	
	8	9	4	2
	6	1	2	5
+	1	8	9	3
1	6	9	6	0

Hence, 8942 + 6125 + 1893
= 16960

f. **5045, 1963 and 8275**

	Th	H	T	O
	1	1	1	
	5	0	4	5
	1	9	6	3
+	8	2	7	5
1	5	2	8	3

Hence, 5045 + 1963 + 8275
= 15283

3. Add using expanded form :

Ans. a. **4621 + 6666**

4621	=	4000 + 600 + 20 + 1		
6666	=	6000 + 600 + 60 + 6		
Thousands	=	4000 + 6000	=	10000
Hundreds	=	6000 + 600	=	1200
Tens	=	20 + 60	=	80
Ones	=	1 + 6	=	7
Sum	=	10000 + 1200 + 80 + 7	=	11287

b. **1002 + 9779**

1002	=	1000 + 2		
9779	=	9000 + 700 + 70 + 9		
Thousands	=	1000 + 9000	=	10000
Hundreds	=	700	=	700
Tens	=	70		
Ones	=	2 + 9	=	11
Sum	=	10000 + 700 + 11	=	10781

c. **2658 + 8567**

2658	=	2000 + 600 + 50 + 8		
8567	=	8000 + 500 + 60 + 7		
Thousands	=	2000 + 8000	=	10000
Hundreds	=	600 + 500	=	1100
Tens	=	50 + 50	=	110
Ones	=	8 + 7	=	15
Sum	=	10000 + 1100 + 110 + 15	=	11225

4. Estimate the following sums by rounding off the addends as mentioned in the brackets :

Ans. a. **2876 + 4905 + 9056 (to the nearest 10)**

2876 rounded off to nearest tens	=	2880
4905 rounded off to nearest tens	=	4905
9056 rounded off to nearest tens	=	9060
2880 + 4910 + 9060	=	16850

b. **1111 + 6590 + 8744 (to the nearest 100)**
1111 rounded off to nearest 100 is 1100.
6590 rounded off to nearest 10 is 6600.
8744 rounded off to nearest 100 is 8700.
1100 + 6600 + 8700 = 16400

5. Number of English books = 1000
Number of Hindi books = 1240
Number of Mathematics books = 1687
Total no. of books in library = 1000 + 1240 + 1687
= 3927

Th	H	T	O
1	0	0	0
1	2	4	0
+ 1	6	8	7
3	9	2	7

6. Let the number be *x*.
x = 246 + 5782
= 7828

Th	H	T	O
	(1)		
7	5	8	2
+	2	4	6
7	8	2	8

7. a. On Monday, Preeti read 29 pages. On Tuesday she read 7 pages more. How many pages did she read?
b. Anil and Vidhya wanted to buy a gift for their mother. Anil saved ₹88 and Vidhya saved ₹11. How much money did they save in all?
c. 158 people visited the bank in the morning and 42 people went there in the afternoon. How many people went to the bank in all?
d. Hari the farmer has 331 cows and 444 hens in his farm. Find the total number of animals in his farm.

8. **Write True or False :**

Ans. a. True b. True c. True d. True

9. **Fill in the blanks :**

Ans. a. 0000 b. 0000 c. 0000 d. 0000 e. 0000
f. 0000 g. 0000 h. 0000 i. 0000 j. 0000

Chapter-5
Subtraction
Exercise-5.1

1. **Subtract the following :**

Ans. a.

T	O
5	4
− 2	3
3	1

b.

T	O
6	8
− 2	4
4	4

c.

T	O
3	3
− 1	2
2	1

d.

T	O
5	7
− 2	6
3	1

e.

T	O
5	6
− 2	4
3	1

f.

T	O
8	8
− 4	7
4	1

g.

H	T	O
8	4	9
− 3	3	4
5	1	5

h.

H	T	O
7	7	7
− 5	6	4
2	1	3

i.

H	T	O
2	2	3
− 2	1	1
	1	2

j.

H	T	O
6	8	3
− 2	4	1
4	4	7

k.

H	T	O
7	1	9
− 2	1	8
5	0	1

l.

H	T	O
9	9	9
− 3	2	4
6	7	5

m.

H	T	O
4	5	7
− 4	3	2
	2	5

n.

H	T	O
8	3	9
− 6	0	4
2	3	5

o.

H	T	O
7	8	5
− 2	7	3
5	1	2

Exercise-5.2

- **Fill in the boxes :**

Ans. a. 96 b. 224 c. 0 d. 998
e. 607 f. 842 g. 1 h. 0

Exercise-5.3

1. Subtract the following :

Ans. a.

Th	H	T	O
3	7	5	9
− 2	4	0	2
1	3	5	7

b.

Th	H	T	O
6	4	6	7
− 2	4	3	1
4	0	3	6

c.

Th	H	T	O
4	6	1	8
− 3	5	1	7
1	1	0	1

d.

Th	H	T	O
9	9	9	9
− 2	2	2	2
7	7	7	7

e.

Th	H	T	O
4	7	3	2
− 2	2	1	0
2	5	2	2

f.

Th	H	T	O
5	5	3	8
− 4	1	2	4
1	4	1	4

g.

Th	H	T	O
5	6	5	6
− 3	3	3	3
2	3	2	3

h.

Th	H	T	O
9	4	5	6
− 5	1	4	6
4	3	1	0

i.

Th	H	T	O
9	5	2	9
− 6	2	0	8
3	3	2	1

j.

Th	H	T	O
3	4	4	4
− 1	2	1	2
2	2	3	7

k.

Th	H	T	O
4	6	7	5
− 2	4	2	2
2	2	5	3

l.

Th	H	T	O
6	8	9	8
− 4	2	4	7
2	6	5	1

m.

Th	H	T	O
3	5	9	4
− 2	1	7	0
1	4	2	4

n.

Th	H	T	O
9	3	7	5
− 6	1	2	4
3	2	5	1

o.

Th	H	T	O
5	0	9	7
− 2	0	4	5
3	0	5	2

2. Subtract :

Ans. a.

Th	H	T	O
9	3	4	8
− 5	3	2	0
4	0	2	8

b.

Th	H	T	O
8	6	5	9
− 3	4	5	8
5	2	0	1

c.

Th	H	T	O
7	5	7	6
− 2	3	5	0
5	2	2	1

d.

Th	H	T	O
9	8	7	6
− 2	3	4	2
7	5	3	4

e.

Th	H	T	O
7	5	6	9
− 3	4	5	9
4	1	1	0

f.

Th	H	T	O
9	4	7	8
− 5	2	5	3
4	2	2	5

g.

Th	H	T	O
7	3	4	9
− 4	2	0	8
3	1	4	1

h.

Th	H	T	O
3	8	6	8
− 2	3	2	3
1	5	4	5

i.

Th	H	T	O
5	9	6	2
− 3	0	5	1
2	0	1	1

j.

Th	H	T	O
5	4	3	2
− 1	2	3	1
4	2	0	1

k.

Th	H	T	O
9	8	7	6
− 6	7	6	6
3	1	1	0

l.

Th	H	T	O
8	8	8	8
− 5	5	5	5
3	3	3	3

m.

Th	H	T	O
4	5	4	5
− 1	2	1	2
3	3	3	3

n.

Th	H	T	O
8	3	2	1
−	3	2	1
8	0	0	0

o.

Th	H	T	O
6	8	5	9
− 3	2	3	4
3	6	2	5

3. Find the difference :

Ans. a. **6398 – 3365**
So, 6398 – 3365
= 3003

Th	H	T	O
6	3	6	8
− 3	3	6	5
3	0	0	3

b. **2997 – 2885**
So, 2997 – 2885
= 112

Th	H	T	O
2	9	9	7
− 2	8	8	5
	1	1	2

c. **6731 – 4320**
So, 6731 – 4320
= 2411

Th	H	T	O
6	7	3	1
− 4	3	2	0
2	4	1	1

d. **5664 – 4445**
So, 5664 – 4445
= 1219

Th	H	T	O
		5	14
5	6	6	4
− 4	4	4	5
1	2	1	9

e. **9998 – 8787**
So, 9998 – 8787
= 1211

Th	H	T	O
9	9	9	8
− 8	7	8	7
1	2	1	1

f. **9810 – 5700**
So, 9810 – 5700
= 4110

Th	H	T	O
9	8	1	0
− 5	7	0	0
4	1	1	0

g. **6396 – 2162**
So, 6396 – 2162
= 4234

Th	H	T	O
6	3	9	6
− 2	1	6	2
4	2	3	4

h. **5478 – 3257**
So, 5478 – 3257
= 2221

Th	H	T	O
5	4	7	8
− 3	2	5	7
2	2	2	1

i. **6438 – 2228**
So, 6438 – 2228
= 4210

Th	H	T	O
6	4	3	8
− 2	2	2	8
4	2	1	0

j. **6356 – 5143**
So, 6356 – 5143
= 1213

Th	H	T	O
6	3	5	6
− 5	1	4	3
1	2	1	3

k. **7257 – 2136**
So 7257 – 2136
= 5121

Th	H	T	O
7	2	5	7
− 2	1	3	6
5	1	2	1

l. **6687 – 1324**
So, 6687 – 1324
= 5363

Th	H	T	O
6	6	8	7
− 1	3	2	4
5	3	6	3

m. **6719 – 5000**
So, 6719 – 5000
= 1719

Th	H	T	O
6	7	1	9
− 5	0	0	0
1	7	1	9

n. **9999 – 8765**
So, 9999 – 8765
= 1234

Th	H	T	O
9	9	9	9
− 8	7	6	5
1	2	3	4

o. **9728 – 5716**
So, 9728 – 5716
= 4012

Th	H	T	O
9	7	2	8
– 5	7	1	6
4	0	1	2

p. **2784 – 2450**
So, 2784 – 2450
= 334

Th	H	T	O
2	7	8	4
– 2	4	5	0
	3	3	4

q. **6897 – 4362**
So, 6897 – 4362
= 2535

Th	H	T	O
6	8	9	7
– 4	3	6	2
2	5	3	5

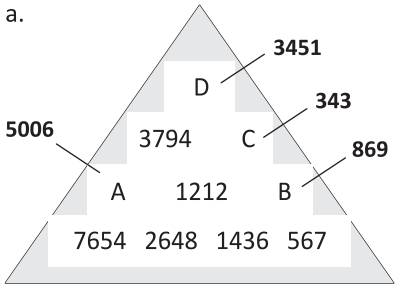
r. **8686 – 4435**
So, 8686 – 4435
= 4251

Th	H	T	O
8	6	8	6
– 4	4	3	5
4	2	5	1

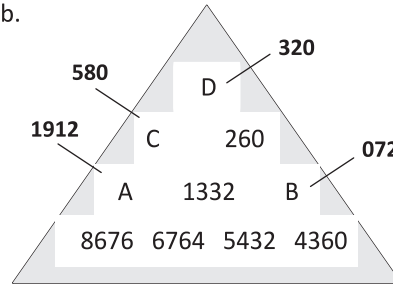
NCERT Corner

- **Find the value of A, B, C and D in the subtraction pyramid.**

Ans. a.



b.



Exercise-5.4

1. Subtract with regrouping :

Ans. a.

Th	H	T	O
	2	12	14
4	3	3	4
– 2	2	3	7
2	0	9	7

b.

Th	H	T	O
		6	17
5	9	7	7
– 3	4	5	8
2	5	1	9

c.

Th	H	T	O
	5	16	10
7	6	7	0
– 4	4	9	7
3	1	7	3

d.

Th	H	T	O
8	16	13	13
9	9	4	3
– 6	9	5	4
2	9	8	9

e.

Th	H	T	O
	5	16	15
8	6	7	5
– 5	5	8	9
3	0	8	6

f.

Th	H	T	O
2	13	11	14
8	4	2	4
– 6	6	9	7
1	7	2	7

g.

Th	H	T	O
7	12	17	16
8	3	8	6
– 4	6	9	9
3	6	8	7

h.

Th	H	T	O
4	11	17	12
5	2	8	2
– 2	9	8	6
2	2	9	6

2. Subtract :

Ans. a.

Th	H	T	O
		3	18
9	3	4	8
– 5	3	2	9
4	0	1	9

b.

Th	H	T	O
	5	14	17
8	6	5	7
– 3	4	5	8
5	1	9	9

c.

Th	H	T	O
		6	16
7	5	7	6
– 2	3	5	8
5	2	1	8

d.

Th	H	T	O
		6	16
9	8	7	6
– 2	3	4	8
7	5	2	8

e.

Th	H	T	O
		5	11
7	5	6	1
– 3	4	5	9
4	1	0	2

f.

Th	H	T	O
		6	10
9	4	7	0
– 5	2	5	8
4	2	1	2

g.

Th	H	T	O
		5	14
8	5	6	4
− 7	3	2	7
1	2	3	7

h.

Th	H	T	O
		18	12
6	4	9	2
− 3	2	7	5
3	2	1	7

i.

Th	H	T	O
7	15	11	13
8	6	2	3
− 4	9	7	4
3	6	4	9

3. Find the difference of :

Ans. a. **8794 – 7654**

Th	H	T	O
8	7	9	4
− 7	6	5	4
1	1	4	0

So, 8794 – 7654 = 1140

b. **7007 – 4679**

Th	H	T	O
6	9	9	17
7	0	0	7
− 4	6	7	9
2	3	2	8

So, 7007 – 4679 = 2328

c. **6005 – 4693**

Th	H	T	O
5	9	10	
6	0	0	5
− 4	6	9	3
1	3	1	2

So, 6005 – 4693 = 1312

d. **3300 – 2315**

Th	H	T	O
7	12	9	10
3	3	0	0
− 2	3	1	5
	9	8	5

So, 3300 – 2315 = 985

e. **7634 – 2048**

Th	H	T	O
	5	12	14
7	6	3	4
− 2	0	4	8
5	5	8	6

So, 7634 – 2048 = 5586

f. **4000 – 2810**

Th	H	T	O
3	9	10	
4	0	0	0
− 2	8	1	0
1	1	9	0

So, 4000 – 2810 = 1190

g. **3902 – 1093**

Th	H	T	O
	8	9	12
3	9	0	2
− 1	0	9	3
2	8	0	9

So, 3902 – 1093 = 2809

h. **8003 – 4224**

Th	H	T	O
7	9	9	13
8	0	0	3
− 4	2	2	4
3	7	7	9

So, 8003 – 4224 = 3779

i. **6019 – 3781**

Th	H	T	O
5	10	11	
6	0	1	9
− 3	7	8	1
2	3	3	8

So, 6019 – 3781 = 2338

j. **7340 – 3789**

Th	H	T	O
16	12	14	10
7	3	4	0
− 3	7	8	9
3	5	5	1

So, 7340 – 3789 = 3551

k. **7340 – 2991**

Th	H	T	O
6	12	13	10
7	3	4	0
– 2	9	9	1
4	3	4	9

So, 7340 – 2991 = 4349

l. **6789 – 3456**

Th	H	T	O
6	7	8	9
– 3	4	5	6
3	3	3	3

So, 6789 – 3456 = 3333

m. **9943 – 7741**

Th	H	T	O
9	9	4	3
– 7	7	4	1
2	2	0	2

So, 9943 – 7741 = 2202

n. **7643 – 5467**

Th	H	T	O
	5	13	13
7	6	4	3
– 5	4	6	7
2	1	7	6

So, 7643 – 5467 = 2176

Exercise-5.5

1. Subtract and check your answer :

Ans. a.

Th	H	T	O
4	11	3	10
5	1	4	0
– 3	5	0	5
1	6	3	5

Th	H	T	O
1	6	3	5
+ 3	5	0	5
5	1	4	0

Difference

b.

Th	H	T	O
7	9	9	10
8	0	0	0
– 6	4	6	5
1	5	3	5

Th	H	T	O
1	1	1	
1	5	3	5
+ 6	4	6	5
8	0	0	0

Difference

c. **8348 – 5752**

Th	H	T	O
7	12	14	
8	3	4	8
– 5	7	5	2
8	5	9	6

Checking

Th	H	T	O
1	1		
2	5	9	6
+ 5	7	5	2
8	3	4	8

So, 8348 – 5752 = 2596

d. **5253 – 1665**

Th	H	T	O
4	11	14	13
5	2	5	3
– 1	6	6	5
3	5	8	8

Checking

Th	H	T	O
1	1	1	
3	5	8	8
+ 1	6	6	5
5	2	5	3

So, 5253 – 1665 = 3588

e. **4531 – 3716**

Th	H	T	O
(3)	(15)	(2)	(11)
4	5	3	1
− 3	7	1	6
	8	1	5

Checking

Th	H	T	O
(1)		(1)	
	8	1	5
+ 3	7	1	6
4	5	3	1

So, 4531 – 3716 = 815

f. **6120 – 4261**

Th	H	T	O
(5)	(10)	(11)	(10)
6	1	2	0
− 4	2	6	1
1	8	5	9

Checking

Th	H	T	O
(1)	(1)	(1)	
1	8	5	9
+ 4	2	6	1
6	1	2	0

So, 6120 – 4261 = 1859

g. **7263 – 4271**

Th	H	T	O
(6)	(11)	(16)	
7	2	6	3
− 4	2	7	1
2	9	9	2

Checking

Th	H	T	O
(1)	(1)		
2	9	9	2
+ 4	2	7	1
7	2	6	3

So, 7263 – 4271 = 2992

h. **4342 – 2343**

Th	H	T	O
(3)	(12)	(13)	(12)
4	3	4	2
− 2	3	4	3
1	9	9	9

Checking

Th	H	T	O
(1)	(1)	(1)	
1	9	9	9
+ 2	3	4	3
4	3	4	2

So, 4342 – 2343 = 1999

2. Find the difference and check your answer :

Ans. a.

	5	4	9	2
−	2	1	7	2
	3	5	2	0

Check

	3	5	2	0
+	2	1	7	2
	5	6	9	2

b.

	3	7	5	4	3
−	1	3	3	2	0
	2	9	2	2	3

Check

	2	4	2	2	3
+	1	3	3	2	0
	3	7	5	4	3

c.

	(6)	(16)	(1)	(11)	
	6	7	6	2	1
−	1	3	9	1	5
	5	3	7	0	6

Check

	(1)			(1)	
	5	3	7	0	6
+	1	3	9	1	5
	6	7	6	2	1

d.

(7)	(10)		
8	0	5	6
−	1	3	3
7	9	2	3

Check

	3	5	2	0
+	2	1	7	2
	5	6	9	2

e.

(0)	(0)	(0)	(0)	(0)	
6	5	4	2	5	
− 1	4	9	6	2	
5	0	4	6	3	

Check

	5	0	4	6	3
+	1	4	9	6	2
	6	5	4	2	5

f.

(3)	(9)	(9)	(9)	(10)	
4	0	0	0	0	
−	2	2	3	4	
3	7	7	6	6	

Check

3	7	7	6	6	
+	2	2	3	4	
4	0	0	0	0	

g.

2	9	9	9	10
3	0	0	0	0
– 7	5	6	2	
2	2	4	3	8

Check

1	1	1	1	
2	2	4	3	8
+ 7	5	6	2	
3	0	0	0	0

h.

	7	9	14	13	
8	6	8	0	5	3
– 6	1	7	6	7	
8	0	6	2	8	6

Check

		1	1	1	
8	0	6	2	8	6
+ 6	1	7	6	7	
8	6	8	0	5	3

i.

3	10	4	15	12	
4	0	5	6	2	
– 2	3	2	9	5	
1	7	2	6	7	

Check

1		1	1		
1	7	2	6	7	
+ 2	3	2	9	5	
4	0	5	6	2	

j.

7	9	9	14	11	
8	0	0	5	1	
– 1	3	5	6		
7	8	6	9	5	

Check

1	1	1	1		
7	8	6	9	5	
+ 1	3	5	6		
8	0	0	5	1	

k. **Subtract 2924 from 9820**

8	17	11	10	
9	8	2	0	
– 2	9	2	4	
6	8	9	6	

l. **Subtract 3285 from 93921**

8	12	8	11	11	
9	3	9	2	1	
–	3	2	8	5	
8	9	6	3	6	

Exercise-5.6

Ans. 1. Number of books sold over 2 days = 1864
Number of books sold on Sunday = 499
Number of books sold on Monday = 1869 – 499
= 1365

Th	H	T	O
	7	15	14
1	8	6	4
– 4	9	9	
1	3	6	5

2. Total number of beads used by Mansi to make bracket = 2965
Mansi uses 1382 beads to make bracelet.
Flower beads used by Mansi to make bracelet = 2962 – 1382
= 1583

Th	H	T	O
	8	16	
2	9	6	5
– 1	3	8	2
1	5	8	3

3. Number of persons watching football match = 8231
Number of persons which support team A = 4562
Number of persons which support team B = 8231 – 4562
= 3669

Th	H	T	O
7	11	12	11
8	2	3	1
– 4	5	6	2
3	6	6	9

4. Number of chocolates produced in a day = 3600
Number of dark chocolates = 1250
Other chocolates = 3600 – 1250
= 2350

Th	H	T	O
	5	10	
3	6	0	0
– 1	2	5	0
2	3	5	0

5. Total children is school = 3540
Number of children present = 2451
Number of children present = 3540 – 2451
= 1089

Th	H	T	O
	4	13	10
3	5	4	0
– 2	4	5	1
1	0	8	9

6. Points scored by Roopak = 4000
Points scored by Leena = 4000 – 835
= 3165

Th	H	T	O
3	9	9	10
4	0	0	0
–	8	3	5
3	1	6	5

7. Population of village = 7975
Number of males = 4865
Number of females = 7975 – 4865
= 3110

Th	H	T	O
7	9	7	5
– 4	8	6	5
3	1	1	0

8. Ten thousand exceed 678 by 10000 – 678 = 9322

TTh	Th	H	T	O
	9	9	9	10
1	0	0	0	0
	–	6	7	8
	9	3	2	2

9. Let number x should be added to 5625 to get 7001.
x + 5625 = 7001
x = 7001 – 5625
x = 1376
1376 must be added to 5625 to get 7001.

Th	H	T	O
6	9	9	11
7	0	0	1
– 5	6	2	5
1	3	7	6

10. Sum of two numbers = 6695
One of the number = 4896
Other number = 6695 – 4896
= 1799

Th	H	T	O
5	15	18	15
6	6	9	5
– 4	8	9	6
1	7	9	9

11. Total potatoes = 8835 kg
Rotten potatoes = 1098 kg
Fresh potatoes = 8835 – 1098
= 7737

Th	H	T	O
	7	12	15
8	8	3	5
– 1	0	9	8
7	7	3	7

12. Let 4065 greater than 2836 by *x*.
4065 = 2836 + *x*
x = 4065 – 2836
x = 1129
∴ 4065 is greater than 2836 by 1229.

Th	H	T	O
3	9	5	15
4	0	6	5
– 2	8	3	6
1	1	2	9

13. Let 8989 be *x* less than 12008.
8989 = 12008 – *x*
x = 12008 – 8989
= 3019
So, 8989 is less than 12008 by 3019.

TTh	Th	H	T	O
	11	9	9	18
1	2	0	0	8
	–	8	9	8	9
		3	0	1	9

14. Total apples = 8563
Number of apples which were not sold = 1988 kg
Apples sold = 8563 – 1988
= 6575

	Th	H	T	O
	7	14	15	13
	8	5	6	3
–	1	9	8	8
	6	5	7	5

15. Greatest 5-digit number = 99999
Greatest 3-digit number = 999
Difference between them = 99999 – 999
= 99000

	TTh	Th	H	T	O
	9	9	9	9	9
		–	9	9	9
	9	9	0	0	0

Difference between the greatest 5-digit no. and greatest three digit number is 99000.

16. Smallest 4-digit number = 1000
Smallest 2-digit number = 99
Difference between them = 1000 – 99
= 901

	Th	H	T	O
		9	9	10
	1	0	0	0
		–	9	9
		9	0	1

Difference between the smallest 4-digit number and greatest 2-digit number is 901.

17. Total children visited Disney land = 4008
No. of children which were twelve years old = 2876
No. of children under twelve years old = 4008 – 2876
= 1132

	Th	H	T	O
	3	9	10	
	4	0	0	8
–	2	8	7	6
	1	1	3	2

18. Many earned by Rohan's father = ₹26250
Money saved by him = ₹2885
Monthly expenditure = ₹26250 – ₹2885
= 23365

	TTh	Th	H	T	O
		5	11	14	10
	2	6	2	5	0
		–	2	8	8	5
	2	3	3	6	5

19. Cost of freeze and washing machine = ₹52000
Cost of freeze = ₹34065
Cost of washing machine = ₹52000 – ₹34065
= ₹17935

	TTh	Th	H	T	O
	0	0	0	0	0
	5	2	0	0	0
–	3	4	0	6	5
	1	7	9	3	5

20. Let x must be added to 15698 to get 99935.
$x + 15698 = 99935$
$x = 99935 – 15698$
$x = 84237$
84237 must e added to 15698 to get 99935.

	TTh	Th	H	T	O
			8	12	15
	9	9	9	3	5
–	1	5	6	9	8
	8	4	2	3	7

21. Number of fruit trees = 6000
Number of trees which fell down = 1889
Number of trees which are left = 6000 – 1889
= 4111

Th	H	T	O
5	9	9	10
6	0	0	0
– 1	8	8	9
4	1	1	1

22. Number of students = 1926
Number of girls = 1065
Number of boys in school = 1906 – 1065
= 861

Th	H	T	O
	8	12	
1	9	2	6
– 1	0	6	5
	8	6	1

23. Total number of pens = 1800
Number of blue pens = 1458
Number of block pens = 1800 – 1458
= 342

Th	H	T	O
	7	9	10
1	8	0	0
– 1	4	5	8
	3	4	2

24. Number of seats = 1000
Number of seats occupied = 825
Number of seats which remain empty = 1000 – 825
= 175

Th	H	T	O
	9	9	10
1	0	0	0
–	8	2	5
	1	7	5

25. Runs scored by Suresh = 1580
Runs scored by Rahul = 1309
= 1580 – 1309
= 271
Suresh scored more runs than Rahul by 271.

Th	H	T	O
0	0	0	0
1	5	8	0
– 1	3	0	9
	2	7	1

26. Let x must be subtracted from 3885 to get 1738.
$3885 - x = 1738$
$x = 3885 - 1738$
$x = 2147$
2147 should be subtracted from 3885 to get 1738.

Th	H	T	O
		7	15
3	8	8	5
– 1	7	3	8
2	1	4	7

27. Cost of books and clothes = ₹2954
Money given to shopkeeper = ₹3000
Money she will get back = ₹3000 – ₹2954
= ₹46

Th	H	T	O
2	9	9	10
3	0	0	0
– 2	9	5	4
0	0	4	6

28. Total books = 9365
Hindi books = 4786
English books = Total books – Hindi books
= 9365 – 4786
= 4579

Th	H	T	O
8	12	15	15
9	3	6	5
– 4	7	8	6
4	5	7	9

29. Total students = 3569
Number of boys = 1687
Number of girls = Total students – No. of boys
No. of girls = 3569 – 1687
= 1882

Th	H	T	O
2	14	16	
3	5	6	9
– 1	6	8	7
1	8	8	2

30. No. of trees planted = 15296
No. of trees dried up = 8689
Trees left = 15296 – 8689
= 6607

TTh	Th	H	T	O
	14	12	8	16
1	5	2	9	6
–	8	6	8	9
	6	6	0	7

31. Total children which took part = 7948
No. of children from one school = 298
No. of children from other school = 7948 – 298
= 7650

Th	H	T	O
	8	14	
7	9	4	8
–	2	9	8
7	6	5	0

32. Total money donated = ₹18375
Roshan donated = ₹9978
Rizwan donated = ₹18375 – ₹9978
= ₹8397

TTh	Th	H	T	O
	17	12	16	15
1	8	3	7	5
–	9	9	7	8
	8	3	9	7

33. No. his answer was not correct.

TTh	Th	H	T	O
4	9	9	10	
5	0	0	0	6
– 2	8	4	1	6
2	1	5	9	0

34. On interchanging the digits of thousands and tens place of number 63459 we get 65439.
Difference between the numbers = 65439 – 63459
= 1980

TTh	Th	H	T	O
	4	13	13	
6	5	4	3	9
– 6	3	4	5	9
	1	9	8	0

Exercise-5.7

1. Fill in the correct digits in the boxes :

Ans. a.

Th	H	T	O
3	2	5	7
– 1	1	4	5
2	1	1	2

b.

Th	H	T	O
7	6	4	9
– 6	5	2	9
1	1	2	0

c.

Th	H	T	O
6	6	5	7
– 1	4	2	1
5	2	3	6

d.

Th	H	T	O
7	9	5	6
– 0	4	3	0
7	5	2	6

e.

Th	H	T	O
4	6	9	3
– 1	2	5	0
3	4	4	3

f.

Th	H	T	O
7	8	4	6
– 3	5	1	6
4	5	3	4

g.

Th	H	T	O
8	5	3	4
– 5	2	7	6
3	2	5	8

h.

Th	H	T	O
6	9	2	0
– 3	4	5	6
3	4	6	4

i.

Th	H	T	O
7	3	8	4
– 2	9	5	1
4	4	3	3

Exercise-5.8

1. Subtract by re-arranging :

Ans. a. **92 – 27**

27 = 20 + 7
92 – 20 = 72,
72 – 7 = 65
Hence, 92 – 27 = 65

b. **301 – 38**

38 = 30 + 8
301 – 30 = 271,
271 – 8 = 263
Hence, 301 – 38 = 263

c. **71 – 43**

43 = 40 + 3,
71 – 40 = 31,
31 – 3 = 28
Hence, 71 – 43 = 28

d. **214 – 53**

53 = 50 + 3
214 – 50 = 164,
164 – 3 = 161
Hence, 214 – 53 = 161

e. **397 – 155**

155 = 150 + 5
397 – 150 = 247,
247 – 5 = 242
Hence, 397 – 155 = 242

f. **434 – 252**

252 = 250 + 2
434 – 250 = 184,
184 – 2 = 182
Hence, 397 – 155 = 242

f. **434 – 252**

252 = 250 + 2
434 – 250 = 184,
184 – 2 = 182
Hence, 434 – 252 = 182

g. **63 – 15**

15 = 10 + 5
63 – 10 = 53,
53 – 5 = 48
Hence, 63 – 15 = 48

h. **85 – 12**

10 = 10 + 2
85 – 10 = 75
75 – 2 = 73
Hence, 85 – 12 = 73

i. **400 – 332**

332 = 300 + 30 + 2
400 – 300 = 100,
100 – 30 = 70,
70 – 2 = 68
Hence, 400 – 332 = 68

j. **405 – 238**

238 = 200 + 30 + 8
405 – 200 = 205,
205 – 30 = 175,
175 – 8 = 167
Hence, 405 – 238 = 167

Exercise-5.9

- **Simplify the following :**

Ans. 1. **345 + 417 – 276**

	H	T	O
		1	
	3	1	5
+	4	1	7
	7	3	2

	H	T	O
	6	12	12
	7	3	2
–	2	7	6
	4	5	6

Hence, 345 + 417 – 276 = 456

2. **4459 + 7140 – 7894**

	Th	H	T	O
	4	4	5	9
+	7	1	4	0
1	1	5	9	9

	TTh	Th	H	T	O
	0	10	15		
	1	1	5	9	9
–	7	8	9	4	
		3	7	0	5

Hence, 4459 + 7140 – 7894 = 3705

3. **8703 – 5616 + 2075**

	Th	H	T	O
	8	7	0	3
+	2	0	7	5
1	0	7	7	8

	TTh	Th	H	T	O
	0	10			
	1	0	7	7	8
–	5	6	1	6	
	0	5	1	6	2

Hence, 8703 – 5616 + 2075 = 5162

4. **5097 + 813 – 2946**

	Th	H	T	O
	1	1		
5	0	9	7	
+	8	1	3	
5	9	1	0	

	Th	H	T	O
	4	18	10	10
	5	9	1	0
–	2	9	4	6
	2	9	6	4

Hence, 5097 + 813 – 2946 = 2964

5. **7830 – 7624 + 334**

	Th	H	T	O
	1			
	7	8	3	0
+	3	3	4	
	8	1	6	4

	Th	H	T	O
	1	1		
	8	1	6	4
–	7	6	2	4
		5	4	0

Hence, 7830 – 7624 + 334 = 540

6. **18563 + 6829 – 9225**

	TTh	Th	H	T	O
	1	1		1	
	1	8	5	6	3
+	6	8	2	9	
	2	5	3	9	2

	TTh	Th	H	T	O
	1	15		8	12
	2	5	3	9	2
–	9	2	2	5	
	1	6	1	6	7

Hence, 18563 + 6829 – 9225 = 16167

7. **54216 – 29567 + 394**

	TTh	Th	H	T	O
			1	1	
	5	4	2	1	6
+		3	9	4	
	5	4	6	1	0

	TTh	Th	H	T	O
	4	14	5	10	10
	5	4	6	1	0
–	2	9	5	6	7
	2	5	0	4	3

Hence, 54216 – 29567 + 394 = 25043

8. **66956 – 21857 + 20956 + 8785**

TTh	Th	H	T	O
1	2	1	1	
6	6	9	5	6
2	0	9	5	6
+ 8	7	8	5	
9	6	6	9	7

TTh	Th	H	T	O
	5	16		
9	6	6	9	7
– 2	1	8	5	7
7	4	8	4	0

Hence, 66956 – 21857 + 20956 + 8785 = 74840

9. **6765 – 985 + 5609 – 3146**

	Th	H	T	O
	1		1	
	6	7	6	5
+	5	6	0	9
1	2	3	7	4

Th	H	T	O
1	1	1	
3	1	4	6
+ 9	8	5	
4	1	3	1

TTh	Th	H	T	O
0	12			
1	2	3	7	4
– 4	1	3	1	
0	8	2	9	3

Hence, 6765 – 985 + 5609 – 3146 = 8243

10. **73005 – 12695 + 9751 – 867**

TTh	Th	H	T	O
1				
7	3	0	0	5
+ 9	7	5	1	
8	2	7	5	6

TTh	Th	H	T	O
	1	1	1	
1	2	6	9	5
+	8	6	7	
1	3	5	6	2

TTh	Th	H	T	O
7	12	6	15	
8	2	7	5	6
– 1	3	5	6	2
6	9	1	9	4

Hence, 73005 – 12695 + 9751 – 867

11. **80000 – 85769 + 20987 + 27689**

TTh	Th	H	T	O
	1	1	1	
8	0	0	0	0
2	0	9	8	7
+ 2	7	6	8	9
1	2	8	6	7	6

L	TTh	Th	H	T	O
0	12	7	16	6	16
1	2	8	6	7	6
–	8	5	7	6	9
	4	2	9	0	7

Hence, 80000 – 85769 + 20987 + 27689 = 42907

12. **66500 – 30956 – 24858 + 41695**

TTh	Th	H	T	O
1		1		
6	6	5	0	0
+ 4	1	6	9	5
1	0	8	1	9	5

TTh	Th	H	T	O
	1	1	1	
3	0	9	5	6
+ 2	4	8	5	8
5	5	8	0	4

L	TTh	Th	H	T	O
0	12	7	11		
1	0	8	1	9	5
–	5	5	8	1	4
0	5	2	3	8	1

Hence, 66500 – 30956 – 24858 + 41695 = 52381

13. **5056 + 35175 – 37798 + 89**

TTh	Th	H	T	O
1		2	2	
3	5	1	7	5
	5	0	5	6
+			8	9
4	0	3	2	0

TTh	Th	H	T	O
3	9	12	11	10
4	0	3	2	0
– 3	7	7	9	8
0	2	5	2	2

Hence, 5056 + 35175 – 37798 + 89 = 2522

14. **84587 – 7756 – 22975 – 30957**

TTh	Th	H	T	O
(1)	(2)	(1)	(1)	
2	2	9	7	5
3	0	9	5	7
+ 7	7	5	6	
6	1	6	8	8

TTh	Th	H	T	O
	(3)	(14)	(1)	(17)
8	4	5	8	7
– 6	1	6	8	8
2	2	8	9	9

Hence, 84587 – 7756 – 22975 – 30957 = 22899

15. **60206 – 9165 – 2785 + 479**

TTh	Th	H	T	O
			(1)	
6	0	2	0	6
	+ 4	7	9	
6	0	6	8	5

	Th	H	T	O
(1)		(1)	(1)	
	9	1	6	5
+ 2	7	8	5	
1	1	9	5	0

Hence, 60206 – 9165 – 2785 + 479 = 48735

16. **3746 – 5607 + 9999**

TTh	Th	H	T	O
(1)	(1)	(1)	(1)	
	3	7	4	6
+ 9	9	9	9	
1	3	7	4	5

TTh	Th	H	T	O
(0)	(13)		(3)	(15)
1	3	7	4	5
– 5	6	0	7	
	8	1	3	8

Hence, 3746 – 5607 + 9999 = 8138

Exercise-5.10

Ans. 1. Number red beads = 2515
Number of blue beach = 3075
Total beads she have = 2515 + 3075
= 5590

Th	H	T	O
		(1)	
3	0	7	5
+ 2	5	1	5
5	5	9	0

2. Number of pages in book = 2200
Number of pages read = 1575
Number of pages which are left to be read = 2200 – 1575
= 625

Th	H	T	O
(1)	(11)	(9)	(10)
2	2	0	0
– 1	5	7	5
	6	2	5

Number of pages which are left to be read is 625.

3. Number of orange drink bottles = 1357
Number of lemon drink bottles = 878
Total bottles = 1357 + 878
= 2235

Th	H	T	O
(1)	(1)	(1)	
1	3	5	7
+ 8	7	8	
1	2	3	5

4. Amount of money Anita's mother had = ₹8730
Amount of money taken = ₹5550
Amount of money left = ₹8730 – ₹5550
= ₹3180

Th	H	T	O
	6	13	
8	7	3	0
– 5	5	5	0
3	1	8	0

5. Total people come to watch match = 5825
Total number of seats = 7000
Total seats which were empty = 7000 – 5825
= 1175

Th	H	T	O
6	9	9	10
7	0	0	0
– 5	8	2	5
1	1	7	5

6. Total students = 400
Number of students admitted in school = 250
Number of students left the school = 140
Total students at and of the year = 400 + 250 – 140
= 510

H	T	O
4	0	0
+ 2	5	0
6	5	0

H	T	O
6	5	0
– 1	4	0
5	1	0

7. Number of bananas sold = 180
Number of mangoes sold = 230
Total fruits he sold = 230 + 180
= 480

H	T	O
1		
2	3	0
+ 1	8	0
4	1	0

Number of fruits other than
mango and banana he had sold = 480 – (230 + 180)
= 480 – 230 – 180
= 480 – 410
= 70

H	T	O
4	8	0
– 4	1	0
	7	0

8. Total number of seats = 1428
No. of students who came on time = 612
No. of students who came late = 314
Total students in all who attended function = 612 + 314
= 926
Number of seats which were vacant = 1428 – 926
= 502

H	T	O
6	1	2
+ 3	1	4
9	2	6

Th	H	T	O
0	14		
1	4	2	8
–	9	2	6
	5	0	2

9. Greatest 4-digit number = 9999
Greatest 5-digit number = 999
Smallest 3-digit number = 100
9999 – (999 + 100) = 9999 – 1099
= 8900

Th	H	T	O
9	9	9	9
– 1	0	9	9
8	9	0	0

10. Money saved in first month = ₹3351
Money saved in second month = ₹4145
Total money woman saved = ₹3351 + ₹4145
= ₹7496

Th	H	T	O
3	3	5	1
+ 4	1	4	5
7	4	9	6

Money given to daughter = ₹1234
Money left with her = ₹7496 – ₹1234
= ₹6262

Th	H	T	O
7	4	9	6
– 1	2	3	4
6	2	6	2

11. Total eggs = 28000
Eggs sold a sold on first day = 9875
Eggs sold on second day = 5629
Total eggs left with him = 28000 – (9875 + 5629)
= 28000 – 15504
= 12496

Th	H	T	O
1 1 1 1			
9	8	7	5
+ 5	6	2	9
1 5	5	0	4

TTh	Th	H	T	O
	7	9	9	10
2	8	0	0	0
– 1	5	5	0	4
1	2	4	9	6

12. Oil in tanker = 82000 /
Oil leaked = 4912 /
Oil sold = 59245 /
Oil pumped in = 25160 /
Oil left now = 8200 – 4912 / – 59245 + 25160
= 107160 – 64157
= 43003 /

TTh	Th	H	T	O
1				
8	2	0	0	0
+ 2	5	1	6	0
1 0	7	1	6	0

L	TTh	Th	H	T	O
0	10			5	10
1	0	7	1	6	0
–	6	4	1	5	7
	4	3	0	0	3

TTh	Th	H	T	O
1	1			
5	9	2	4	5
+ 4	9	1	2	
6	4	1	5	7

13. Difference of 8654 and 6521 = 8654 – 6521
= 2133
Sum of 2562 and 7965 = 2562 + 7975
= 10537
= 2133 + 10537
= 12670

Th	H	T	O
8	6	5	4
– 6	5	2	1
2	1	3	3

TTh	Th	H	T	O
			1	
1	0	5	3	7
+ 2	1	3	3	
1	2	6	7	0

Th	H	T	O
1 1 1			
2	5	6	2
+ 7	9	7	5
1 0	5	3	7

14. Sum 3469 and 7925 = 3469 + 7925
= 11394

Difference of 25695 and 10935 = 25695 – 10935
= 14760

	Th	H	T	O
	1	1		1
		3	4	6	9
+		7	9	2	5
	1	1	3	9	4

	TTh	Th	H	T	O
			4	16	
		2	5	6	9	5
–	1	0	9	3	5
		1	4	7	6	0

Let x must be added to 11394 to get 14760

$11394 + x = 14760$

$x = 14760 – 11394$

$x = 3366$

	TTh	Th	H	T	O
			6	15	10
		1	4	7	6	0
–	1	1	3	9	4
			3	3	6	6

15. Number samosas = 37750
Number of samosas sold = 29628
Number of samosas stocked again = 13260
Samoses left in canteen = 37550 – 29628 + 13260
= 51010 – 29628
= 21382

	TTh	Th	H	T	O
		1	1	1		
		3	7	7	5	0
+	1	3	2	6	0
	5	1	0	1	0

	TTh	Th	H	T	O
	4	10	9	10	10
	5	1	0	1	0
–	2	9	6	2	8
	2	1	3	8	2

16. Earning of man = ₹6595
Earning his wife = ₹2585
Money they spend = ₹7800
Their savings = ₹6595 + ₹2595 – ₹7800
= ₹9180 – ₹7800
= ₹1380

	Th	H	T	O
	1	1	1	
	6	5	9	5
+	2	5	8	5
	9	1	8	0

	Th	H	T	O
	8	11		
	9	1	8	0
–	7	8	0	0
	1	3	8	0

17. Total books in literary = 8967
Number of textbooks = 2805
Number of books on travel = 1789
Number of books on Biographies = 785
Number of books on fiction = 8967 – 2805 – 1789 – 785
= 8967 – 5379
= 3588

	Th	H	T	O
	2	1	1	
	2	8	0	5
	1	7	8	9
+		7	8	5
	5	3	7	9

	Th	H	T	O
		8	15	17
	8	9	6	7
–	5	3	7	9
	3	5	8	8

18. Total kilometres covered in four days = 9785
Distance covered in the first day = 2678
Distance covered in the second day = 2090
Distance covered in the third day = 3998
Distance covered on the fourth day = 9785 – (2678 + 2090 + 3998)
= 9785 – 8766
= 1019 km

Th	H	T	O
		7	15
9	7	8	5
– 8	7	6	6
1	0	1	9

Th	H	T	O
1	1	1	
2	6	7	8
2	0	9	0
+ 3	9	9	8
8	7	6	6

19. Number of stamps Ram collected = 2085
No. of stamps from USA = 935
No. of stamps from India = 830
No. of stamps from other countries = 2085 – (935 + 830)
= 2085 – 1765
= 320

H	T	O
9	3	5
+ 8	3	0
1	7	6	5

Th	H	T	O
1	10		
2	0	8	5
– 1	7	6	5
	3	2	0

20. Money Mayur has = ₹6200
Cost of video game = ₹2880
Cost of computer keyboard = ₹1285
Money left with him = ₹6200 – ₹2880
= ₹1285
= ₹6200 – ₹4165
= ₹2035

Th	H	T	O
1	1		
2	8	8	0
+ 1	2	8	5
4	1	6	5

Th	H	T	O
	1	9	10
6	2	0	0
– 4	1	6	5
2	0	3	5

Therefore, ₹2035 money is left with him.

21. Total books = 8635
Number of mathematics books = 2486
Number of Science books = 2766
Number of other books = 8635 – 2486 – 2766
= 8635 – 5252
= 3383

Th	H	T	O
1	1	1	
2	4	8	6
+ 2	7	6	6
5	2	5	2

Th	H	T	O
	5	13	
8	6	3	5
– 5	2	5	2
3	3	8	3

22. Earning of Mr Dixit = ₹14895
Earning of Mrs Dixit = ₹15765
Total money they spend = ₹23985
Money they save per month = ₹14895 + ₹15765 – ₹23985
= ₹30660 – ₹23985
= ₹6675

	TTh	Th	H	T	O
	(1)	(1)	(1)	(1)	
	1	4	8	9	5
+	1	5	7	6	5
	3	0	6	6	0

	TTh	Th	H	T	O
	(2)	(9)	(15)	(15)	(10)
	3	0	6	6	0
–	2	3	9	8	5
		6	6	7	5

23. Money farmer had = ₹10,000.
Cost of seeds = ₹3806
Cost of fertilizers = ₹5995
Money with farmer = ₹10000 – ₹3806 – ₹5995
= ₹10000 – ₹9801
= ₹199

	Th	H	T	O
	(1)	(1)	(1)	
	3	8	0	6
+	5	9	9	5
	9	8	0	1

	TTh	Th	H	T	O
	(0)	(9)	(9)	(9)	(10)
	1	0	0	0	0
–		9	8	0	1
			1	9	9

24. Total distance Mr. Tripathi had to travel = 1400 km
Distance travelled by train = 925 km
Distance travelled by bus = 280 km
Distance travelled by car = 1400 – 925 – 280
= 1400 – 1205
= 195 km

	H	T	O
(1)	(1)		
	9	2	5
+	2	8	0
1	2	0	5

	Th	H	T	O
	(0)	(3)	(9)	(10)
	1	4	0	0
–	1	2	0	5
		1	9	5

25. Population of village = 7025
No. of men = 3480
No. of women = 3389
No. of children = 7025 – 3480 – 3389
= 7025 – 6869
= 156

	Th	H	T	O
		(1)		
	3	4	8	0
+	3	3	8	9
	6	8	6	9

	Th	H	T	O
	(6)	(9)	(11)	(15)
	7	0	2	5
–	6	8	6	9
		1	5	6

26. Total candidates selected = 8255
No. of candidates getting air force cadre = 2860
No. of candidates getting air force cadre = 4955
No. of candidates getting air force cadre = 8255 – 2860 – 4955
= 8255 – 7815
= 440

	Th	H	T	O
	1	1		
	2	8	6	0
+	4	9	5	5
	7	8	1	5

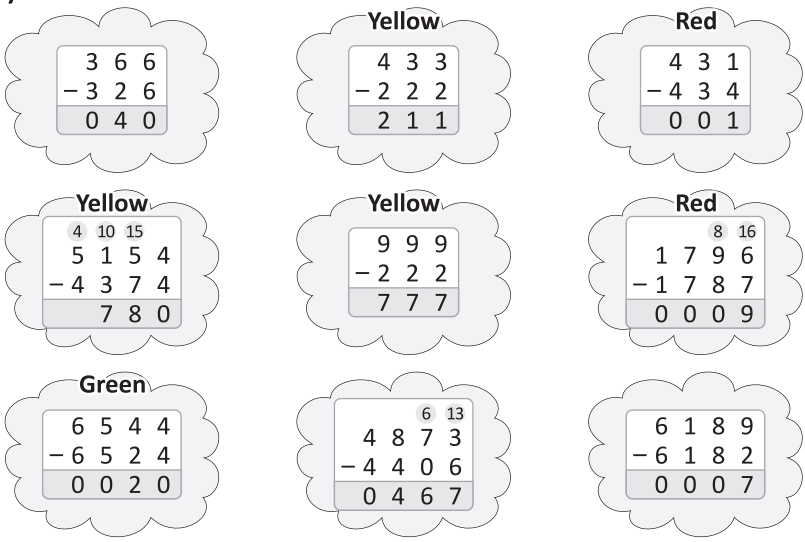
	Th	H	T	O
	7	12		
	8	2	5	5
–	7	8	1	5
		4	4	0

No. of candidates getting navy cadre 440.

NCERT Corner

- **Colour the clouds red if the answer is a 1-digit number, green if it is a 2-digit number and yellow if it is a 3-digit number. One has been done for you.**

Ans.



MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. b. 2. b. 3. b. 4. a. 5. a. 6. b.

TEST EXERCISE

1. Find the difference.

Ans. a.

	H	T	O
		3	14
	3	4	4
–	2	3	7
	1	0	7

b.

	H	T	O
	8	11	
	9	1	3
–	4	3	1
	4	8	2

c.

	H	T	O
	5	10	12
	6	1	2
–	4	7	8
	1	3	4

d.

H	T	O
5	10	12
6	1	2
− 2	3	4
3	7	8

e.

H	T	O
7	9	12
8	0	2
− 3	8	3
4	1	9

f.

H	T	O
6	9	10
7	0	0
− 2	4	5
4	5	5

g.

H	T	O
6	12	
7	2	9
− 2	3	4
4	9	5

h.

H	T	O
	6	10
7	7	0
− 5	3	7
2	3	3

i.

Th	H	T	O
7	0	0	0
− 4	0	0	0
3	0	0	0

j.

Th	H	T	O
3	2	6	8
− 1	0	5	4
2	2	1	4

k.

Th	H	T	O
9	4	5	6
− 3	2	1	0
6	2	4	6

l.

Th	H	T	O
5	8	3	7
− 4	3	1	5
1	5	2	2

2. Solve the following.

Ans. a. **2283 + 4212 – 1463**

Th	H	T	O
2	2	8	3
+ 4	2	1	2
1	4	6	3

Th	H	T	O
6	4	9	5
− 1	4	6	3
5	0	3	2

= 6495 – 1463 = 5032

b. **4156 – 5427 + 3542**

Th	H	T	O
4	13	12	
5	4	2	7
+ 3	5	4	2
1	8	8	5

Th	H	T	O
3	10	15	
4	1	5	6
− 1	8	8	5
2	2	7	1

= 4156 – 1885 = 2271

3. 876 – 244 = 632

Ans.

H	T	O
8	7	6
− 2	4	4
6	3	2

4. 500 – 316 = 184

Ans.

H	T	O
4	9	10
5	0	0
− 3	1	6
1	8	4

5. Solve the following.

Ans. a. Number of books bookseller had = 573
Number of books sold to school = 317
Number of books left with him = 573 – 317
= 256

H	T	O
	6	13
5	7	3
− 3	1	7
2	5	6

b. Number of pages Radhika had to type = 520
Number of pages she typed = 474
Number of pages left to type = 520 – 474
= 46

H	T	O
4	11	10
5	2	0
− 4	7	4
	4	6

c. Number of students = 2000
Number of students admitted in school = 150
Number of students who left the school = 85
Number of students which were present at end of year = 2000 + 150 – 85
= 2000 + 65
= 2065

H	T	O
0	14	10
1	5	0
– 8	5	
6	5	

d. Monthly income of Sunil = ₹8000
Monthly income of Sunil's wife = ₹6000
Total money they spend = ₹10000
Money they save = ₹8000 + ₹6000 – ₹10000
= ₹14000 – ₹10000
= ₹4000

TTh	Th	H	T	O
	1	4	0	0	0
–	1	0	0	0	0
		4	0	0	0

e. Number of neem trees = 1500
Number of peepal trees = 1200
Number of trees which are cut down = 450
Number of trees which are left = 1500 + 1200 – 450
= 2700 – 450
= 2250

Th	H	T	O
	6	10	
2	7	0	0
–	4	5	0
2	2	5	0

Chapter-6
Multiplication
Exercise-6.1

1. Count the figures and write the sum and product :

Ans. a. 4 + 4 + 4 + 4 = **16** 4 × 4 = **16**

b. 2 + 2 + 2 + 2 + 2 + 2 = **12** 6 × 2 = **12**

2. Complete the following :

Ans. a. 5 × 6 = 6 + 6 + 6 + 6 + 6 = **30**

b. **3 × 3** = 3 + 3 + 3 = **9**

c. 5 × 9 = **9 + 9 + 9 + 9 + 9** = **45**

d. 6 × 2 = **2 + 2 + 2 + 2 + 2** = **12**

e. **7 × 7** = 7 + 7 + 7 + 7 + 7 + 7 + 7 = **49**

3. Find the product of the following numbers.

Ans. a.

	2	
	2	7
×		3
	8	1

b.

	2	
	1	5
×		4
	6	0

c.

	1	
	2	4
×		4
	9	6

d.

	2	
	1	4
×		5
	7	0

e.

	5	3
×		3
1	5	9

f.

	8	4
×	2	3
1	6	8

g.

	4	3
×		3
1	2	9

h.

	7	1
×		5
3	5	5

i.

	3	1	
		8	3
×			4
3	3	2	

j.

	4	2	
		9	5
×			5
4	7	5	

k.

	3	2	
		6	4
×			6
3	8	4	

l.

	1	2	
		5	7
×			3
1	7	1	

m.

	3	4
×		2
6	8	

n.

	4	1
×		4
1	6	4

o.

	5	3
×		3
1	5	9

p.

	6	4
×		2
1	2	8

q.

	2	3
×		3
6	9	

r.

	1	2
×		4
4	8	

s.

	4	1
×		9
3	6	9

t.

	3	0
×		5
1	5	0

u.

	6	2
×		4
2	4	8

v.

	7	1
×		9
6	3	9

w.

	4	2	
		8	5
×			5
4	2	5	

x.

	5	2	
		7	4
×			7
5	1	8	

4. Multiply :

Ans. a. **50 by 5**

	5	0
×		5
2	5	0

50 × 5 = 250

b. **37 by 2**

	1	
	3	7
×		2
7	4	

37 × 2 = 74

c. **39 by 2**

	1	
	3	9
×		2
7	8	

39 × 2 = 78

d. **32 by 2**

	3	2
×		2
6	4	

32 × 2 = 64

e. **67 by 2**

	1	
	6	7
×		2
1	3	4

67 × 2 = 134

f. **44 by 2**

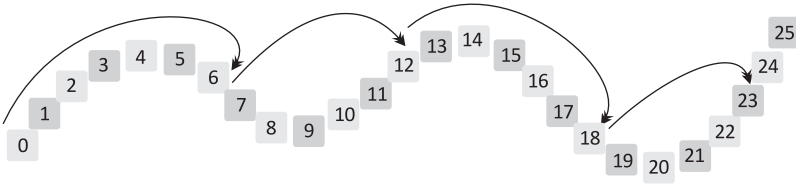
	4	4
×		2
8	8	

44 × 2 = 88

NCERT Corner

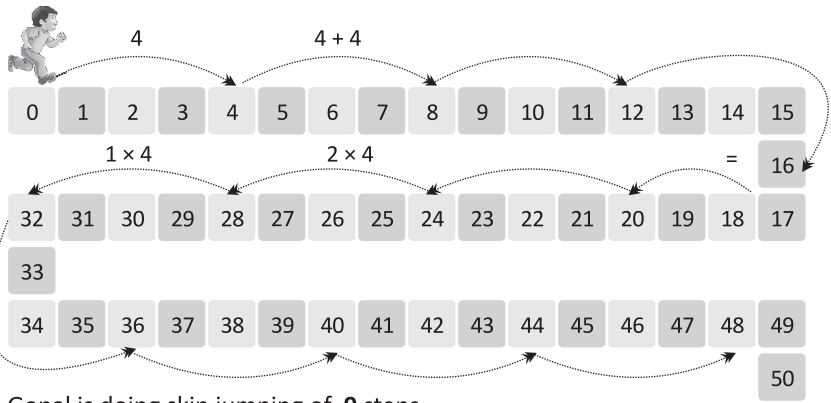
1. Continue skip jumping by 6, by drawing the jumps on the number track.

Ans.



2. Is there repeated addition happening? Make times-4 table using repeated addition in the picture given below.

Ans.



3. Gopal is doing skip jumping of **9** steps.
After 27 he will jump on **36, 45**

Exercise-6.2

1. Complete by filling up the blanks :

Ans.

a. 256 × 1 = **256**
b. 25 × 18 × **13** = 13 × 25 × 18
c. 664 × **1** = 664
d. 987 × 0 = **0**
e. 900 × **0** = 0
f. 82 × 6 × 42 = 6 × 42 × **82**
g. 7 × 4 = **4** × 7
h. 100 × 5 = **5** × 100

Exercise-6.3

1. Multiply the following :

Ans.

a.

H	T	O
3	2	0
	×	3
9	6	0

b.

H	T	O
3	1	0
	×	3
9	3	0

c.

H	T	O
3	1	4
	×	2
6	2	8

d.

H	T	O
2	4	2
	×	2
4	8	4

e.

H	T	O
	2	
1	1	9
	×	3
3	5	7

f.

H	T	O
	1	
3	0	5
	×	3
9	1	5

g.

H	T	O
1	1	
3	8	6
	×	2
7	7	2

h.

H	T	O
1		
2	5	2
	×	2
5	0	4

i.

Th	H	T	O
2	4	1	
	5	9	2
		×	5
2	9	6	0

j.

Th	H	T	O
3	4		
	6	8	1
		×	5
3	4	0	5

k.

Th	H	T	O
2		1	
	7	0	3
		×	4
3	8	1	2

l.

Th	H	T	O
1	1	1	
	3	4	5
		×	3
1	0	3	5

2. Multiply the following in your notebook :

Ans. a. **123 × 3**

H	T	O
1	2	3
	×	3
3	6	9

∴ 123 × 3 = 369

b. **204 × 2**

H	T	O
2	0	4
	×	2
4	0	8

∴ 204 × 2 = 408

c. **112 × 3**

H	T	O
1	1	2
	×	3
3	3	6

∴ 112 × 3 = 336

d. **111 × 5**

H	T	O
1	1	1
	×	5
5	5	5

∴ 111 × 5 = 555

e. **625 × 3**

	H	T	O
1		1	
	6	2	5
		×	3
1	8	7	5

∴ 625 × 3 = 336

f. **315 × 5**

	H	T	O
1		2	
	3	1	5
		×	5
1	5	7	5

∴ 315 × 5 = 1575

g. **168 × 2**

H	T	O
1	1	
1	6	8
	×	2
3	3	6

∴ 168 × 2 = 336

h. **427 × 4**

	H	T	O
1	1	2	
	4	2	7
		×	4
1	7	0	8

∴ 427 × 4 = 1708

i. **612 × 7**

	H	T	O
4		1	
	6	1	2
		×	7
4	2	8	4

∴ 612 × 7 = 4284

j. **476 × 5**

	H	T	O
2	3	3	
	4	7	6
		×	5
2	3	8	0

∴ 476 × 5 = 2380

k. **329 × 6**

	H	T	O
1	1	5	
	3	2	9
		×	6
1	9	7	4

∴ 329 × 6 = 1974

l. **250 × 4**

	H	T	O
1	2		
	2	5	0
		×	4
1	0	0	0

∴ 250 × 4 = 1000

m. **763 × 7**

	H	T	O
5	4	2	
	7	6	3
		×	7
5	3	4	1

∴ 763 × 7 = 5341

n. **256 × 4**

	H	T	O
5	4	2	
	2	5	6
		×	4
1	0	2	4

∴ 256 × 4 = 1024

o. **394 × 8**

	H	T	O
3	7	3	
	3	9	4
		×	8
3	1	5	2

∴ 394 × 8 = 3152

p. **356 × 5**

H	T	O
1	2	3
3	5	6
	×	5
1	7	8	0

∴ 356 × 5 = 1780

q. **283 × 9**

H	T	O
2	7	2
2	8	3
	×	9
2	5	4	7

∴ 283 × 9 = 2547

r. **784 × 2**

H	T	O
1		
7	8	4
	×	2
1	5	6	8

∴ 784 × 2 = 1568

s. **999 × 4**

H	T	O
3	3	3
9	9	9
	×	4
3	9	9	6

∴ 999 × 4 = 3996

t. **777 × 6**

H	T	O
4	4	4
7	7	7
	×	6
4	6	6	2

∴ 777 × 6 = 4662

u. **196 × 4**

H	T	O
3	2	
1	9	6
	×	4
7	8	4

∴ 196 × 4 = 784

v. **666 × 2**

H	T	O
1	1	
6	6	6
	×	2
1	3	3	2

∴ 666 × 2 = 1332

w. **749 × 9**

H	T	O
4	8	
7	4	9
	×	9
6	7	4	1

∴ 749 × 9 = 6741

x. **333 × 4**

H	T	O
1	1	
3	3	3
	×	4
1	3	3	2

∴ 333 × 4 = 1332

Exercise-6.4

1. Multiply and write the product :

Ans. a.

Th	H	T	O
2	3	1	3
		×	3
6	9	3	9

b.

Th	H	T	O
1	0	3	2
		×	2
2	0	6	4

c.

Th	H	T	O
2	4	1	3
		×	1
2	4	1	3

d.

Th	H	T	O
1	2	4	3
		×	2
2	4	8	6

e.

Th	H	T	O
1	1	2	2
		×	4
4	4	8	8

f.

Th	H	T	O
4	3	2	0
		×	2
8	6	4	0

g.

Th	H	T	O
3	2	1	3
		×	3
9	6	3	9

h.

Th	H	T	O
4	3	3	4
		×	2
8	6	6	8

i.

Th	H	T	O
2	1	1	2
5	3	2	4
		×	5
2	6	6	2	0

j.

Th	H	T	O
1	2	1	
3	1	5	3
		×	4
1	2	6	1	2

k.

Th	H	T	O
2	2	3	
3	4	6	1
		×	6
2	0	7	6	6

l.

Th	H	T	O
7	8	2	1
7	9	3	2
		×	9
7	1	3	8	8

2. Multiply :

Ans. a.

Th	H	T	O
2	1	2	
2	7	5	9
		×	3
8	2	7	7

b.

Th	H	T	O
1	1	1	
1	7	9	8
		×	2
3	5	9	6

c.

Th	H	T	O
2	2	2	
1	9	7	8
		×	3
5	9	3	4

d.

Th	H	T	O
2	2	4	
1	3	4	7
		×	6
8	0	8	6

e.

Th	H	T	O
2	2	2	
1	5	5	5
		×	4
6	2	2	0

f.

Th	H	T	O
	3	2	
1	0	7	5
		×	5
5	3	7	5

g.

Th	H	T	O
1	3	1	
1	3	8	4
		×	4
5	5	3	6

h.

Th	H	T	O
1	2	5	
1	2	3	9
		×	6
7	4	3	4

i.

Th	H	T	O
1			
4	6	4	2
		×	2
9	2	8	4

j.

Th	H	T	O
1	1		
2	5	4	3
		×	3
7	6	2	9

k.

Th	H	T	O
3	4	5	7
	4	5	6	9
			×	8
3	6	5	5	2

l.

Th	H	T	O
2	3	1	3
	6	9	3	9
			×	4
2	7	7	5	6

3. Multiply the following in your notebook :

Ans. a. **2222 × 3**

Th	H	T	O
2	2	2	2
		×	3
6	6	6	6

∴ 2222 × 3 = 6666

b. **1214 × 2**

Th	H	T	O
1	2	1	4
		×	2
2	4	2	8

∴ 1214 × 2 = 2428

c. **1087 × 6**

Th	H	T	O
	5	4	
1	0	8	7
		×	6
6	5	2	2

∴ 1087 × 6 = 6522

d. **2782 × 3**

Th	H	T	O
2	2		
2	7	8	2
		×	3
8	3	4	6

∴ 2782 × 3 = 8346

e. **1672 × 5**

Th	H	T	O
3	3	1	
1	6	7	2
		×	5
8	3	6	0

∴ 1672 × 5 = 8360

f. **3018 × 2**

Th	H	T	O
		1	
3	0	1	8
		×	2
6	0	3	6

∴ 3018 × 2 = 6036

g. **2435 × 4**

Th	H	T	O
1	1	2	
2	4	3	5
		×	4
9	7	4	0

∴ 2435 × 4 = 9740

h. **2231 × 3**

Th	H	T	O
2	2	3	1
		×	3
6	6	9	3

∴ 2231 × 3 = 6693

i. **4175 × 2**

Th	H	T	O
	1	1	
4	1	7	5
		×	2
8	3	5	0

∴ 4175 × 2 = 8350

j. **1217 × 7**

Th	H	T	O
1	1	4	
1	2	1	7
		×	7
8	5	1	9

∴ 1217 × 7 = 8519

k. **1042 × 5**

Th	H	T	O
	2	1	
1	0	4	2
		×	5
5	2	1	0

∴ 1042 × 5 = 5210

l. **1041 × 4**

Th	H	T	O
	1		
1	0	4	1
		×	4
4	1	6	4

∴ 1041 × 4 = 4164

Exercise-6.5

1. Write multiplication tables from 11 to 20 in your note book :

Ans.

11
11 × 1 = 11
11 × 2 = 22
11 × 3 = 33
11 × 4 = 44
11 × 5 = 55
11 × 6 = 66
11 × 7 = 77
11 × 8 = 88
11 × 9 = 99
11 × 10 = 110

12
12 × 1 = 12
12 × 2 = 24
12 × 3 = 36
12 × 4 = 48
12 × 5 = 60
12 × 6 = 72
12 × 7 = 84
12 × 8 = 96
12 × 9 = 108
12 × 10 = 120

13
13 × 1 = 13
13 × 2 = 26
13 × 3 = 39
13 × 4 = 52
13 × 5 = 65
13 × 6 = 78
13 × 7 = 91
13 × 8 = 104
13 × 9 = 117
13 × 10 = 130

14
14 × 1 = 14
14 × 2 = 28
14 × 3 = 42
14 × 4 = 56
14 × 5 = 70
14 × 6 = 84
14 × 7 = 98
14 × 8 = 112
14 × 9 = 126
14 × 10 = 140

15
15 × 1 = 15
15 × 2 = 30
15 × 3 = 45
15 × 4 = 60
15 × 5 = 75
15 × 6 = 90
15 × 7 = 105
15 × 8 = 120
15 × 9 = 135
15 × 10 = 150

16
16 × 1 = 16
16 × 2 = 32
16 × 3 = 48
16 × 4 = 64
16 × 5 = 80
16 × 6 = 96
16 × 7 = 112
16 × 8 = 128
16 × 9 = 144
16 × 10 = 160

17
17 × 1 = 17
17 × 2 = 34
17 × 3 = 51
17 × 4 = 68
17 × 5 = 85
17 × 6 = 102
17 × 7 = 119
17 × 8 = 136
17 × 9 = 153
17 × 10 = 170

18
18 × 1 = 18
18 × 2 = 36
18 × 3 = 54
18 × 4 = 72
18 × 5 = 90
18 × 6 = 108
18 × 7 = 126
18 × 8 = 144
18 × 9 = 162
18 × 10 = 180

19
19 × 1 = 19
19 × 2 = 38
19 × 3 = 57
19 × 4 = 76
19 × 5 = 95
19 × 6 = 114
19 × 7 = 133
19 × 8 = 152
19 × 9 = 171
19 × 10 = 190

20
20 × 1 = 20
20 × 2 = 40
20 × 3 = 60
20 × 4 = 80
20 × 5 = 100
20 × 6 = 120
20 × 7 = 140
20 × 8 = 160
20 × 9 = 180
20 × 10 = 200

2. Fill in the blanks by using the above chart :

Ans.

a. 126	b. 80	c. 152	d. 105	e. 52
f. 135	g. 96	h. 60	i. 57	j. 108
k. 51	l. 144	m. 68	n. 84	o. 104

Exercise-6.6

1. Fill in the blanks (Multiply directly) :

Ans.

a. 230	b. 100	c. 3400	d. 7700
e. 69000	f. 27100	g. 44000	h. 5080
i. 36000	j. 30900	k. 20700	l. 43000
m. 27000	n. 34790	o. 83400	

2. Find the product in one step :

Ans.

a. 70	b. 5000	c. 3000	d. 3070
e. 107000	f. 40700	g. 20500	h. 560000
i. 20900	j. 6900	k. 30900	l. 60000

3. Fill in the blanks :

Ans.

a. 1500	b. 500	c. 7800	d. 18000
e. 12250	f. 1160	g. 36450	h. 990
i. 2100	j. 16800	k. 9000	l. 168000

4. Fill in the blanks (Multiply in one step) :

Ans.

a. 16800	b. 12500	c. 4400	d. 63000
e. 248000	f. 6400	g. 100000	h. 283500
i. 46000	j. 185000	k. 315000	l. 180000

5. Multiply each of the following in one step :

Ans.

a. 1500	b. 6000	c. 40000	d. 9600
e. 84000	f. 540000	g. 150000	h. 40000
i. 80000	j. 160000	k. 16000	l. 72000
m. 56000	n. 20000		

Exercise-6.7

1. Multiply :

Ans.

a.

H	T	O
	2	6
×	1	2
	5	2
+ 2	8	×
3	1	2

b.

H	T	O
	1	6
×	1	5
	8	0
+ 1	6	×
2	4	0

c.

H	T	O
	5	4
×	1	3
1	6	2
+ 5	4	×
7	0	2

d.

H	T	O
	4	9
×	3	8
3	9	2
+ 1	4	7
1	8	6	2

e.

H	T	O
	1	4
×	1	5
	7	0
+ 1	4	×
2	1	0

f.

H	T	O
	3	2
×	2	1
	3	2
+ 6	4	×
6	7	2

g.

H	T	O
	3	5
×	1	5
1	7	5
+ 3	5	×
5	2	5

h.

H	T	O
	4	2
×	1	5
2	1	0
+ 4	2	×
6	3	0

i.

H	T	O
	1	9
×	1	5
	9	5
+ 1	9	×
2	8	5

j.

H	T	O
	3	6
×	2	7
2	5	2
+ 7	2	×
9	7	2

k.

H	T	O
	2	4
×	3	6
1	4	4
+ 7	2	×
8	6	4

l.

H	T	O
	2	8
×	3	4
1	1	2
+ 8	4	×
9	5	2

2. Find the product in your notebook and write the answer :

Ans. a. **78 × 24**

	T	O
	7	8
×	2	4
	3	1	2
+	1	5	6	×
	1	8	7	2

∴ 78 × 24 = 1872

b. **48 × 17**

	T	O
	7	8
×	2	4
	3	1	2
+	1	5	6	×
	1	8	7	2

∴ 48 × 17 = 816

c. **69 × 26**

	T	O
	7	8
×	2	4
	3	1	2
+	1	5	6	×
	1	8	7	2

∴ 69 × 26 = 1794

d. **85 × 19**

	T	O
	8	5
×	1	9
	7	6	5
+	8	5	×
1	6	1	5

∴ 85 × 19 = 1615

e. **92 × 37**

	T	O
	7	5
×	5	8
	6	0	0
+	3	7	5	×
	4	3	5	0

∴ 92 × 37 = 3404

f. **35 × 74**

	T	O
	5	9
×	3	7
	4	1	3
+	1	7	7	×
	2	1	8	3

∴ 35 × 74 = 2590

g. **67 × 56**

	T	O
	6	7
×	5	6
	4	0	2
+	3	3	5	×
	3	7	5	2

∴ 67 × 56 = 3752

h. **75 × 58**

	T	O
	7	5
×	5	8
	6	0	0
+	3	7	5	×
	4	3	5	0

∴ 75 × 58 = 4350

i. **59 × 37**

	T	O
	5	9
×	3	7
	4	1	3
+	1	7	7	×
	2	1	8	3

∴ 59 × 37 = 2183

NCERT Corner

1. To make a necklace 17 sea-shells are require.
Number of sea-shells = 100
Required number of necklaces which can be made using 100 sea-shells is 5.

2. Preeti has ₹500 note.

a. All notes are ₹50. She will get = 10 notes
Each of ₹50.

b. Number of denomination of notes she need = ₹20

$$\text{Notes she will get} = \frac{₹500}{₹20}$$

= 25 notes of all 20 rupees.

c. Denomination of notes she needs = ₹10
Total notes she get = 50
In exchange of ₹500, total notes of ₹10 she will get ₹50.

Exercise-6.8

1. Multiply :

Ans. a.

Th	H	T	O
	2	4	5
	×	1	6
1	4	7	0
+ 2	4	5	×
3	9	2	0

b.

Th	H	T	O
	4	6	5
	×	2	1
	4	6	5
+ 9	3	0	×
9	7	6	5

c.

Th	H	T	O
	3	1	9
	×	1	5
1	5	9	5
+ 3	1	9	×
4	7	8	5

d.

Th	H	T	O
	1	8	4
	×	2	6
1	1	0	4
+ 3	6	8	×
4	7	8	4

e.

Th	H	T	O
	5	4	3
	×	1	7
3	8	0	1
+ 5	4	3	×
9	2	3	1

f.

Th	H	T	O
	2	2	5
	×	3	9
2	0	2	5
+ 6	7	5	×
8	7	7	5

g.

Th	H	T	O
	1	4	4
	×	4	8
1	1	5	2
+ 5	7	6	×
6	9	1	2

h.

Th	H	T	O
	4	1	0
	×	2	3
1	2	3	0
+ 8	2	0	×
9	4	3	0

i.

Th	H	T	O
	3	4	2
	×	1	9
3	0	7	8
+ 3	4	2	×
6	4	9	8

j.

Th	H	T	O
	6	2	8
	×	1	4
2	5	1	2
+ 6	2	8	×
8	7	9	2

k.

Th	H	T	O
	5	1	9
	×	1	8
4	1	5	2
+ 5	1	9	×
9	3	4	2

l.

Th	H	T	O
	2	2	2
	×	3	2
	4	4	4
+ 6	6	6	×
7	1	0	4

2. Find the product :

Ans. a. **634 × 15**

H	T	O
6	3	4
×	1	5
3	1	7	0
+ 6	3	4	×
9	5	1	0

∴ 634 × 15 = 9510

b. **372 × 26**

H	T	O
3	7	2
×	2	6
2	2	3	2
+ 7	4	4	×
9	6	7	2

∴ 372 × 26 = 9672

c. **763 × 12**

H	T	O
7	6	3
×	1	2
1	5	2	6
+ 7	6	3	×
9	1	5	6

∴ 763 × 12 = 9156

d. **184 × 37**

H	T	O
6	3	4
×	1	5
3	1	7	0
+ 6	3	4	×
9	5	1	0

∴ 184 × 37 = 6808

e. **372 × 18**

H	T	O
3	7	2
×	1	8
2	9	7	6
+ 3	7	2	×
6	6	9	6

∴ 372 × 18 = 6696

f. **812 × 11**

H	T	O
8	1	2
×	1	1
8	1	2
+ 8	1	2	×
8	9	3	2

∴ 812 × 11 = 8932

g. **121 × 31**

H	T	O
1	2	1
×	3	1
1	2	1
+ 3	6	3 ×
3	7	5 1

∴ 121 × 31 = 3751

h. **312 × 26**

H	T	O
3	1	2
×	2	6
1	8	7 2
+ 6	2	4 ×
8	1	1 2

∴ 312 × 26 = 8112

i. **508 × 19**

H	T	O
5	0	8
×	1	9
4	5	7 2
+ 5	0	8 ×
4	6	5 2

∴ 508 × 19 = 9652

Exercise-6.9

1. Multiply the following :

Ans. a.

Th	H	T	O
	4	3	2
	×	2	3
1	2	9	6
+ 8	6	4	×
9	1	3	6

b.

Th	H	T	O
	4	6	8
	×	1	2
	9	3	6
+ 4	6	8	×
5	6	1	6

c.

Th	H	T	O
	3	4	2
	×	2	7
2	3	9	4
+ 6	8	4	×
9	2	3	4

d.

Th	H	T	O
	7	2	3
	×	4	2
1	4	4	6
+ 2	8	9	2 ×
3	0	3	6 6

e.

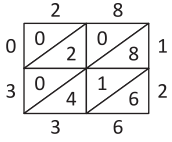
Th	H	T	O
	8	1	2
	×	5	0
	0	0	0
+ 4	0	6	0 0
4	0	6	0 0

f.

Th	H	T	O
		2	4
	×	3	8
1	9	4	4
+ 7	2	9	×
9	2	3	4

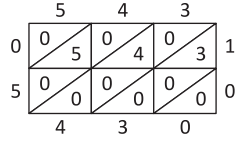
2. Solve the following using lattice multiplication and check your answers :

Ans. a. **28 × 12**



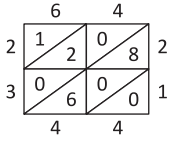
Hence, 28 × 12 = 336

b. **543 × 10**



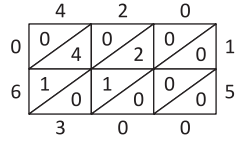
Hence, 543 × 10 = 5430

c. **64 × 21**



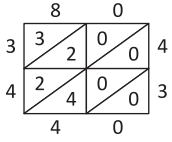
Hence, 64 × 21 = 1344

d. **420 × 15**



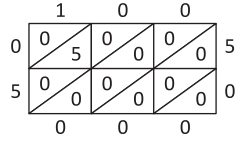
Hence, 420 × 15 = 6300

e. **80 × 43**



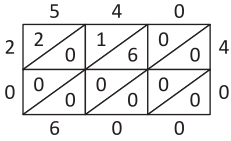
Hence, 80 × 43 = 3440

f. **100 × 50**



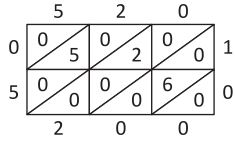
Hence, 100 × 50 = 500

g. **540 × 40**



Hence, 540 × 40 = 21600

h. **520 × 10**



Hence, 520 × 10 = 5200

3. Solve the following :

Ans. a.

Th	H	T	O
	4	4	3
		×	6
2	6	5	8

b.

Th	H	T	O
	4	5	8
		×	9
4	1	2	2

c.

Th	H	T	O
	3	8	7
		×	4
1	5	4	8

d.

Th	H	T	O
	3	6	8
	×	4	3
	1	1	0
+ 1	4	7	2
1	3	8	2

e.

Th	H	T	O
	6	5	4
	×	6	2
	1	3	0
+ 3	9	2	4
4	0	5	4

f.

Th	H	T	O
	9	0	5
	×	2	5
	4	5	2
+ 1	8	1	0
1	2	6	2

Exercise-6.10

1. First determine between which two numbers the product should be. Then find the product :

Ans. a. **84 × 5**

84 lies between 80 and 90.

80 × 5 = 400, 90 × 5 = 450

So, the product of 84 and 5 should lie between 400 and 450.

84 × 5 = 420 and 400 < 420 < 450.

b. **73 × 8**

73 lies between 70 and 80.

70 × 8 = 560, 80 × 8 = 640

So, the product of 73 and 8 should lie between 560 and 640.

73 × 8 = 584 and 560 < 584 < 640

c. **28 × 9**

28 lies between 20 and 30.

20 × 9 = 180, 30 × 9 = 270

So, the product of 28 and 9 should lie between 180 and 270.

28 × 9 = 252 and 180 < 252 < 270

d. **27 × 3**

27 lies between 20 and 30.

20 × 3 = 60, 30 × 3 = 90

So, the product of 27 and 3 should lie between 60 and 90.

27 × 3 = 81 and 60 < 81 < 90

e. **44 × 7**

44 lies between 40 and 50.

40 × 7 = 280, 50 × 7 = 350

So, the product of 44 and 7 should lie between 280 and 350.

44 × 7 = 380 and 280 < 308 < 350

f. **56 × 8**

56 lies between 50 and 60.

50 × 8 = 400, 60 × 8 = 480

So, the product of 56 and 8 should lie between 350 and 480.

56 × 8 = 448 and 350 < 448 < 480

g. **26 × 7**

26 lies between 20 and 30.

20 × 7 = 140, 30 × 7 = 210

So, product should lies between 140 and 210.

26 × 7 = 182 and 140 < 182 < 210

h. **54 × 5**

54 lies between 50 and 60.

50 × 5 = 250, 60 × 5 = 300

So, product should lies between 250 and 300.

54 × 5 = 270 and 250 < 270 < 300

i. **73 × 6**

73 lies between 70 and 80.

70 × 6 = 420, 80 × 6 = 480

So, product should lies between 420 and 480.

73 × 6 = 438 and 420 < 438 < 480

j. **48 × 9**

48 lies between 40 and 50.

40 × 9 = 360, 50 × 9 = 450

So, product should lie between 360 and 450.

48 × 9 = 432 and 360 < 432 < 450

k. **57 × 8**

57 lies between 50 and 60.

50 × 8 = 400, 60 × 8 = 480

So, product should lies between 400 and 480.

57 × 8 = 456 and 400 < 456 < 480

l. **62 × 6**

62 lies between 60 and 70.

60 × 6 = 360, 70 × 6 = 420

So, product should lies between 360 and 420.

62 × 6 = 370 and 360 < 372 < 420

2. First estimate the product. Then find the actual product :

Ans. a. **42 × 18**

42 can be estimated as 40.
18 can be estimated as 20.
Estimated product = 40 × 20
= 800
Actual product = 42 × 18
= 756

	T	O
	4	2
×	1	8
	3	3	6
+	4	2	×
	7	5	6

b. **24 × 15**

24 can be estimated as 20.
15 can be estimated as 20.
Estimated product = 20 × 20
= 400
Actual product = 24 × 15
= 360

	T	O
	2	4
×	1	5
	1	2	0
+	2	4	×
	3	6	0

c. **73 × 27**

73 can be estimated as 70.
27 can be estimated as 30.
Estimated product = 70 × 30
= 2100
Actual product = 73 × 27
= 1971

		T	O
		7	3
×		2	7
	5	1	1
+	1	4	6	×
	1	9	7	1

d. **56 × 28**

56 can be estimated as 60.
28 can be estimated as 30.
Estimated product = 60 × 30
= 1800
Actual product = 56 × 28
= 1568

		T	O
		5	6
×		2	8
	4	4	8
+	1	1	2	×
	1	5	6	8

e. **29 × 13**

29 can be estimated as 30.
13 can be estimated as 10.
Estimated product = 30 × 10
= 300
Actual product = 29 × 13
= 377

	T	O
	2	9
×	1	3
	8	7
+	2	9	×
	3	7	7

f. **14 × 18**

14 can be estimated as 10.
18 can be estimated as 20.
Estimated product = 10 × 20
= 200
Actual product = 14 × 18
= 252

	T	O
	1	4
×	1	8
	1	1	2
+	1	4	×
	2	5	2

g. **85 × 16**

85 can be estimated as 90.
16 can be estimated as 20.
Estimated product = 90 × 20
= 1800
Actual product = 85 × 16
= 1360

	T	O
	8	5
×	1	6
	5	1	0
+	8	5	×
1	3	6	0

h. **24 × 18**

24 can be estimated as 20.
18 can be estimated as 20.
Estimated product = 20 × 20
= 400
Actual product = 24 × 18
= 432

	T	O
	2	4
×	1	8
	1	9	2
+	2	4	×
	4	3	2

i. **21 × 25**

21 can be estimated as 20.
25 can be estimated as 30.
Estimated product = 20 × 30
= 600
Actual product = 21 × 25
= 525

	T	O
	2	1
×	2	5
	1	0	5
+	4	2	×
	5	2	5

j. **27 × 36**

27 can be estimated as 30.
36 can be estimated as 40.
Estimated product = 30 × 40
= 1200
Actual product = 27 × 36
= 972

	T	O
	2	7
×	3	6
	1	6	2
+	8	1	×
	9	7	2

k. **44 × 35**

44 can be estimated as 40.
35 can be estimated as 40.
Estimated product = 40 × 40
= 1600
Actual product = 44 × 35
= 1540

	T	O
	4	4
×	3	5
	2	2	0
+	1	3	2	×
	1	5	4	0

l. **56 × 24**

56 can be estimated as 60.
24 can be estimated as 20.
Estimated product = 60 × 20
= 1200
Actual product = 56 × 24
= 1344

	T	O
	5	6
×	2	4
	2	2	4
+	1	1	2	×
	1	3	4	4

Exercise-6.11

Ans. 1. Cost of 1 chocolate = ₹48
Cost of 3 chocolates = ₹48 × 3
= ₹144
Shivani will pay ₹144.

H	T	O
	4	8
	×	3
1	4	4

2. Cost of story book = ₹295
Cost of 4 story books = ₹295 × 4
= ₹1180

	H	T	O
	2	9	5
		×	4
1	1	8	0

3. Monthly salary of peon = ₹2850
Amount of money earned in 3 months = ₹2850 × 3
= ₹8550

Th	H	T	O
2	8	5	0
		×	3
8	5	5	0

4. No. of bags of rice = 86
Rice contained in each bag = 32 kg
Total weight of rice in truck = 86 × 32
= 2752 kg

		T	O
		8	6
	×	3	2
	1	7	2
+	2	5	8 ×
	2	7	5	2

5. Weight of 1 watermelon = 1260 g
Number of watermelon = 7
Total might of watermelon = 1260 × 7
= 8820 kg

Th	H	T	O
1	2	6	0
		×	7
8	8	2	0

6. Pages in newspaper = 28
Number of days = 30
Total pages in 30 newspapers = 28 × 30
= 840

		T	O
		2	8
	×	3	0
		0	0
+	8	4	×
	8	4	0

7. Total trees in forest = 212
No. of birds live on each tree = 7
= 1484
Total birds in forest are 1484.

H	T	O
2	1	2
	×	7
1	4	8	4

8. Amount of money earned by shopkeeper daily = ₹1250
No. of days = 8
Money earned by shopkeeper in 8 days = ₹1250 × 8
= ₹10000

Th	H	T	O
1	2	5	0
		×	8
1	0	0	0	0

9. Number of people who can sit in a bus = 48
Number of people who can sit in 76 buses = 76 × 48
= 3648

	T	O
	7	6
×	4	8
	8	0
+ 3	0	4 ×
3	6	4	8

10. Newspaper contain 28 pages.
No. of days Viay collected newspapers = 45
Total pages = 1260

	T	O
	4	5
×	2	8
	3	6	0
+	9	0 ×
1	2	6	0

11. Total no. of bones = 242
No. of apples in each box = 15
Total apples = 242 × 15
= 3630

	H	T	O
	2	4	2
×	1	5	
	1	2	1	0
+	2	4	2 ×
	3	6	3	0

12. No. of bags of rice = 257
Quantity of rice in each bag = 32
Total weight of rice in truck = 257 × 32
= 8224 kg

	T	O
	2	5	7
×	3	2	
	5	1	4
+	7	7	1 ×
	8	2	2	4

13. Passengers carried by boat in one trip = 334
Number of trips = 73
Total passengers boat carried by boat = 334 × 33
= 24382

	H	T	O
	3	3	4
×	7	3	
	1	0	0	2
+	2	5	3	8 ×
	2	4	3	8	2

14. Cost of 1 kg pack of noodles = ₹56
Number of packs = 63
Total cost of 63 packs = ₹63 × 56
= ₹3528

	T	O
	6	3
×	5	6
	3	7	8
+ 3	1	5 ×
	3	5	2	8

15. No. of bags of wheat truck carry = 456
No. of trucks = 67
Total bags of wheat truck carry = 456 × 67
= 30552

	H	T	O
	4	5	6
×	6	7	
	3	1	9	2
+	2	7	3	6 ×
	3	0	5	5	2

16. Quantity of rice contain in a bag = 58 kg
No. of bags = 200
Quantity of rice contain in 200 bags = 58 × 200
= 11600 kg

	H	T	O
	2	0	0
	×	5	8
	1	6	0	0
+	1	0	0	0	×
	1	1	6	0	0

17. Product of 58 and 263 = 58 × 263
= 15254

	H	T	O
	2	6	3
	×	5	8
	2	1	0	4
+	1	3	1	5	×
	1	5	2	5	4

18. Money deposited by Rehana weekly = ₹765
Money deposited by Rehana monthly = ₹765 × 4
= ₹3060
Money deposited by Rehana in 3 months = ₹3060 × 3
= ₹9180

	H	T	O
	7	6	5
		×	4
3	0	6	0

Th	H	T	O
3	0	6	0
		×	3
9	1	8	0

19. Capacity of tanker = 165 litres
No. of tankers = 45
Combined capacity of 45 such tankers = 165 × 45
= 7425 *l*

	H	T	O
	1	6	5
	×	4	5
	8	2	5
+	6	6	0	×
	3	4	2	5

20. Distance travelled by Rajdhani Express every day = 445 km
Distance travelled by Rajdhani Express in 45 days = 445 × 45
= 20025 km

	H	T	O
	4	4	5
	×	4	5
	2	2	2	5
+	1	7	8	0	×
	2	0	0	2	5

21. Cost of 1 dollar = ₹71
Cost of 35 dollars = ₹71 × 35
= ₹2485

	T	O
	7	1
	×	3	5
	3	5	5
+	2	1	3	×
	2	4	8	5

22. Prerna earns ₹7565 monthly.
Money earned by Prerna in half a year = ₹7565 × 6
= ₹45390

	Th	H	T	O
	7	5	6	5
			×	6
4	5	3	9	0

23. Monthly fee of 1 student = ₹550
Monthly fees of 120 students = ₹550 × 120
= ₹66000

		H	T	O
		5	5	0
	×	1	2	0
		0	0	0
	1	1	0	0 ×
+	5	5	0	× ×
	6	6	0	0 0

24. Time taken by bus in 9 trip to go from Delhi to Agra = 6 hours
Number of trips = 359
Time taken by bus to make 359 trips = 359 × 6
= 2154 hours

	Th	H	T	O
		3	5	9
			×	6
2	1	5	4	

25. Capacity of 1 fuel tank = 475 litres
Number of fuel tanks = 45
Capacity of 45 fuels tanks = 475 × 45
= 21375

		H	T	O
		4	7	5
	×	4	5	
	2	3	7	5
+	1	1	0	0 ×
	3	1	3	7 5

26. Quantity of cement in 1 bag = 59 kg
Number of legs = 125
Quantity of cement in 125 such bags = 125 × 59
= 7375 kg

		H	T	O
		1	2	5
	×	5	9	
	1	1	2	5
+	6	2	5	×
	7	3	7	5

27. Number of mangoes in a basket = 345
No. of baskets = 375
Total number of mangoes in 375 baskets = 345 × 375
= 129375

		H	T	O
		3	4	5
	×	3	7	5
	1	7	2	5
+	2	4	1	5 ×
	1	0	3	× 4

MULTIPLE CHOICE QUESTIONS

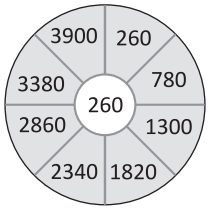
- **Tick (✔) the correct choice.**

Ans. 1. c. 2. b. 3. a. 4. b.

MENTAL MATHS

- **Find the missing number :**

Ans.



TEST EXERCISE

1. Multiply :

Ans. a.

	2	8
×		6
1	6	8

b.

	3	3	6
×			4
3	7	4	4

c.

		4	2
×	7	5	
	2	1	0
+	2	9	4 ×
	3	1	5 0

2.

Number of students in each row	=	15	
Number of rows	=	19	
Number of students in 19 rows	=	15 × 19	
	=	285	

	T	O
	1	5
×	1	9
1	3	5
+ 1	5	×
2	8	3

3. Fill in the blanks :

ns. a. 340 b. 44 c. 10 d. 3700 e. 651
f. 999 g. 3372 h. 6696 i. 2820

4. a. Number of pages in a book is 75. Total number of books is 6. Find the total number of pages.

b. The total number of desks in classroom is 15.
Two students occupies each desk. Find number of students.

5. Multiply and write the product.

Ans. a. **69 × 16**

	T	O
	6	4
×	1	6
	4	1	4
+	6	9	×
1	1	0	4

∴ 69 × 16 = 1104

b. **29 × 27**

	T	O
	2	9
×	2	7
	2	0	3
+	5	8	×
	7	8	3

∴ 29 × 27 = 783

c. **46 × 32**

	T	O
	4	6
×	3	2
	9	2
+ 1	3	8	×
1	4	7	2

∴ 46 × 32 = 1472

d. **93 × 17**

	T	O
	9	3
×	1	7
	6	5	1
+	9	3	×
1	5	8	1

∴ 93 × 17 = 1581

6. Multiply using short cut method :

Ans. a. **61 × 11**

H	T	O	
	6	1	
×	1	1	
		1	(1 × 1)
	7	×	(6 + 1)
+ 6	×	×	(1 × 6)
6	7	1	

∴ 61 × 11 = 671

b. **77 × 8**

H	T	O	
	7	7	
	×	8	
	5	6	(8 × 7)
5	6	×	
+ 0	×	×	
6	1	6	

∴ 77 × 8 = 616

c. **85 × 11**

H	T	O	
	8	5	
×	1	1	
		5	(1 × 5)
1	3	×	(8 + 5)
+ 8	×	×	(1 × 8)
9	3	5	

∴ 85 × 11 = 935

d. **29 × 6**

H	T	O	
	2	9	
	×	6	
	5	4	(6 × 9)
1	2	×	(12 + 0)
+ 0	×	×	(0)
1	7	4	

∴ 29 × 6 = 174

7. No. of chocolates made by chocolate factory in 1 day = 35
No. of chocolates made by factory in 92 days = 35 × 92
= 3220

T	O	
3	5	
× 9	2	
	7	0
+ 3	1	5 ×
3	2	2 0

8. No. of categories = 9
No. of points in each category = 72
No. of points in game show = 72 × 9
= 648

T	O
7	2
×	9
6	4 8

9. a. Number of students in the class is 69. There are 5 sections. Find total number of students in all sections.
A basket contains 69 mangoes. Find the total number of mangoes in 5 baskets.

b. A bag contains 12 kg cement. How much cement will 24 bags contain?
The cost of 1 kg pack of noodles is ₹24.
What will be the cost of 12 such packets?

c. A storybook costs ₹159. What will be the cost of 8 such storybooks?
8 students collected ₹159 each for flood relief fund. How much money did they collect?

d. The monkey salary of peon is ₹195. What will be his salary after 6 months.
A box contains 6 apples. How many apples are there in 195 boxes?

10. No. of packets = 7
No. of marbles in each packet = 44
Total no. of marbles = 44 × 7
= 308

	T	O
	4	4
×		7
3	0	8

Chapter-7
Division
Exercise-7.1

1. Here are 24 balls. Put an equal number of balls in each box :

Ans. There will be **4** balls in each box.

2. Make equal sets. Then complete the division fact :

Ans. a. 18 ÷ 6 = 3 b. 20 ÷ 4 = 5 c. 16 ÷ 2 = 8 d. 15 ÷ 3 = 5

3. How many times can you take away :

Ans. a. **6 from 12?** b. **9 from 27?** c. **4 from 20?** d. **6 from 24?**

1	2
—	6
	6
—	6
	0
2	

2	7
—	9
1	8
—	9
	9
—	9
	7
3	

2	0
—	4
1	6
—	4
1	2
—	4
0	8
—	4
	4
	4
5	

2	4
—	6
1	8
—	6
—	3
1	6
—	6
4	

or 12 ÷ 6 = 2 or 27 ÷ 9 = 3 or 20 ÷ 4 = 5 or 24 ÷ 6 = 4

Exercise-7.2

1. Write two division facts for each multiplication fact :

Ans. a. 72 ÷ 8 = 9 72 ÷ 9 = 8 b. 14 ÷ 2 = 7 14 ÷ 7 = 2
c. 48 ÷ 8 = 6 48 ÷ 6 = 8 d. 18 ÷ 9 = 2 18 ÷ 2 = 9
e. 42 ÷ 6 = 7 42 ÷ 7 = 6 f. 56 ÷ 8 = 7 56 ÷ 7 = 8

2. Fill in the boxes :

Ans. a. 28 ÷ 7 = 4 b. 40 ÷ 5 = 8 c. 30 ÷ 3 = 10
d. 72 ÷ 8 = 9 e. 63 ÷ 7 = 9 f. 56 ÷ 7 = 8
g. 32 ÷ 4 = 8 h. 35÷ 5 = 7 i. 42 ÷ 7 = 6

Exercise-7.3

1. Fill in the blanks :

Ans. a. 1 b. 462 c. not defined

d. 0 e. 16 f. 1
g. 0 h. 1 i. 5167

2. Fill in the blanks :

Ans. a. 1 b. 0 c. 1132
d. 5421 e. 1 f. any natural number

Exercise-7.4

1. Divide the following in your notebook :

Ans. a. **46 ÷ 2**

$$\begin{array}{r|l} 2 & 46 \\ -4 & 23 \\ \hline 06 & \\ -6 & \\ \hline 0 & \end{array}$$

Quotient = 23, Remainder = 0

b. **44 ÷ 4**

$$\begin{array}{r|l} 4 & 44 \\ -4 & 11 \\ \hline 04 & \\ -4 & \\ \hline 0 & \end{array}$$

Quotient = 11, Remainder = 0

c. **63 ÷ 3**

$$\begin{array}{r|l} 3 & 63 \\ -6 & 21 \\ \hline 03 & \\ -3 & \\ \hline 0 & \end{array}$$

Quotient = 21, Remainder = 0

d. **96 ÷ 3**

$$\begin{array}{r|l} 3 & 96 \\ -9 & 12 \\ \hline 06 & \\ -6 & \\ \hline 0 & \end{array}$$

Quotient = 32, Remainder = 0

e. **42 ÷ 2**

$$\begin{array}{r|l} 2 & 42 \\ -4 & 12 \\ \hline 02 & \\ -2 & \\ \hline 0 & \end{array}$$

Quotient = 21, Remainder = 0

f. **88 ÷ 4**

$$\begin{array}{r|l} 4 & 88 \\ -8 & 12 \\ \hline 08 & \\ -8 & \\ \hline 0 & \end{array}$$

Quotient = 22, Remainder = 0

g. **82 ÷ 2**

$$\begin{array}{r|l} 2 & 82 \\ -8 & 12 \\ \hline 02 & \\ -2 & \\ \hline 0 & \end{array}$$

Quotient = 41, Remainder = 0

h. **99 ÷ 3**

$$\begin{array}{r|l} 3 & 99 \\ -9 & 12 \\ \hline 09 & \\ -9 & \\ \hline 0 & \end{array}$$

Quotient = 33, Remainder = 0

i. **77 ÷ 7**

$$\begin{array}{r|l} 7 & 77 \\ -7 & 12 \\ \hline 07 & \\ -7 & \\ \hline 0 & \end{array}$$

Quotient = 11, Remainder = 0

j. **69 ÷ 3**

$$\begin{array}{r|l} 3 & 69 \\ -6 & 12 \\ \hline 09 & \\ -9 & \\ \hline 0 & \end{array}$$

Quotient = 23, Remainder = 0

k. **80 ÷ 8**

$$\begin{array}{r|l} 8 & 80 \\ -8 & 10 \\ \hline 0 & \end{array}$$

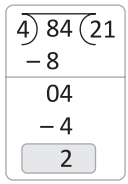
Quotient = 10, Remainder = 0

l. **99 ÷ 9**

$$\begin{array}{r|l} 9 & 99 \\ -9 & 12 \\ \hline 09 & \\ -9 & \\ \hline 0 & \end{array}$$

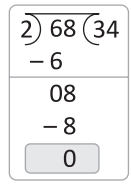
Quotient = 11, Remainder = 0

m. **84 ÷ 4**



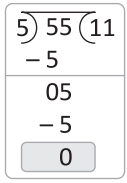
Quotient = 21, Remainder = 0

n. **68 ÷ 2**



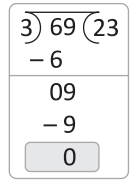
Quotient = 34, Remainder = 0

o. **55 ÷ 5**



Quotient = 11, Remainder = 0

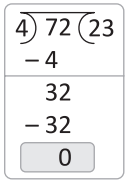
p. **69 ÷ 3**



Quotient = 23, Remainder = 0

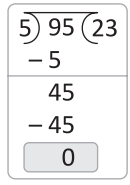
2. Divide the following :

Ans. a. **72 ÷ 4**



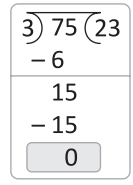
Quotient = 18, Remainder = 0

b. **95 ÷ 5**



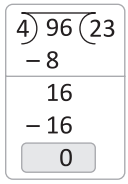
Quotient = 19, Remainder = 0

c. **75 ÷ 3**



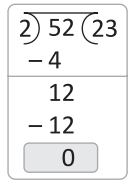
Quotient = 25, Remainder = 0

d. **96 ÷ 4**



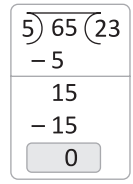
Quotient = 24, Remainder = 0

e. **52 ÷ 2**



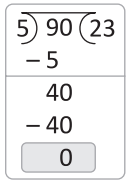
Quotient = 26, Remainder = 0

f. **65 ÷ 5**



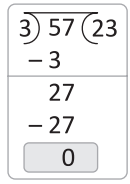
Quotient = 13, Remainder = 0

g. **90 ÷ 5**



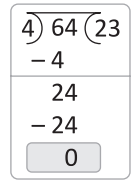
Quotient = 18, Remainder = 0

h. **57 ÷ 3**



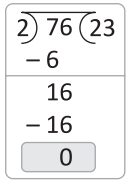
Quotient = 19, Remainder = 0

i. **64 ÷ 4**



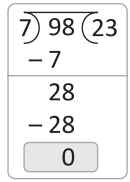
Quotient = 16, Remainder = 0

j. **76 ÷ 2**



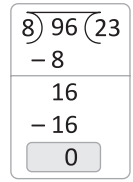
Quotient = 38,
Remainder = 0

k. **98 ÷ 7**



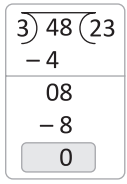
Quotient = 14,
Remainder = 0

l. **96 ÷ 8**



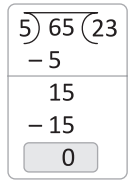
Quotient = 12,
Remainder = 0

m. **48 ÷ 4**



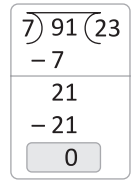
Quotient = 12,
Remainder = 0

n. **65 ÷ 5**



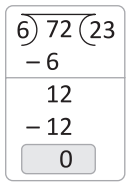
Quotient = 13,
Remainder = 0

o. **91 ÷ 7**



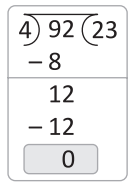
Quotient = 13,
Remainder = 0

p. **72 ÷ 6**



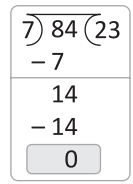
Quotient = 12,

q. **92 ÷ 4**



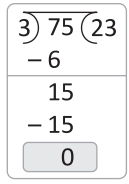
Quotient = 23,

r. **84 ÷ 7**



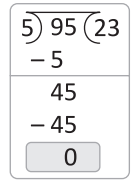
Quotient = 23

s. **75 ÷ 3**



Quotient = 25,
Remainder = 0

t. **95 ÷ 5**

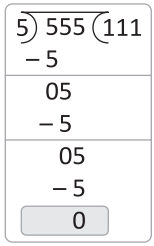


Quotient = 19,
Remainder = 0

Exercise-7.5

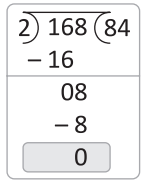
1. Divide the following by long division in your notebook :

Ans. a. **555 ÷ 5**



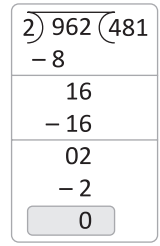
Quotient = 111,
Remainder = 0

b. **168 ÷ 2**



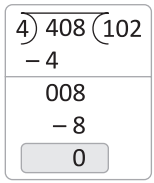
Quotient = 84,
Remainder = 0

c. **962 ÷ 2**



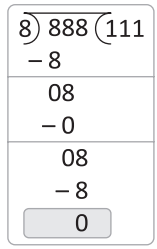
Quotient = 481,
Remainder = 0

d. **408 ÷ 4**



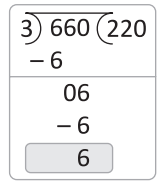
Quotient = 102,
Remainder = 0

e. **888 ÷ 8**



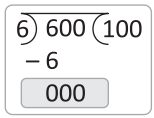
Quotient = 111
Remainder = 0

f. **660 ÷ 3**



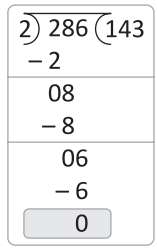
Quotient = 220
Remainder = 0

g. **600 ÷ 6**



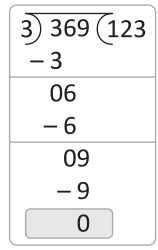
Quotient = 100
Remainder = 0

h. **286 ÷ 2**



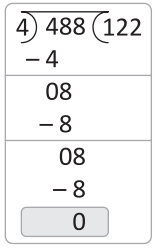
Quotient = 143
Remainder = 0

i. **369 ÷ 3**



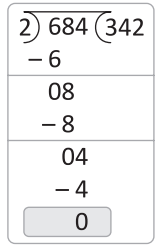
Quotient = 123
Remainder = 0

j. **488 ÷ 4**



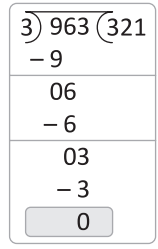
Quotient = 122
Remainder = 0

k. **684 ÷ 2**



Quotient = 342
Remainder = 0

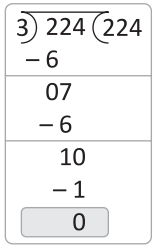
l. **963 ÷ 3**



Quotient = 321
Remainder = 0

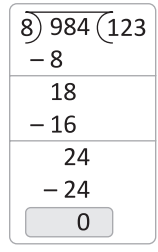
2. Divide the following :

Ans. a. **672 ÷ 3**



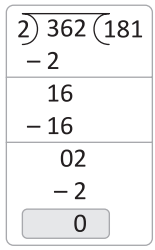
Hence, 672 ÷ 3
= 224

b. **984 ÷ 8**



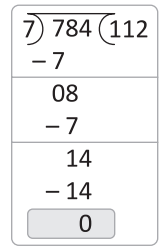
Hence, 984 ÷ 8
= 123

c. **362 ÷ 2**



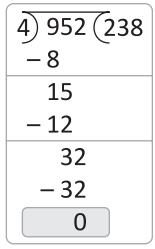
Hence, 362 ÷ 2 = 181

d. **784 ÷ 7**



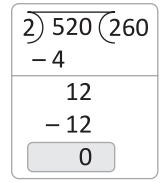
Hence, 784 ÷ 7 = 112

e. **952 ÷ 4**



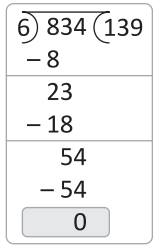
Hence, 952 ÷ 4 = 238

f. **520 ÷ 2**



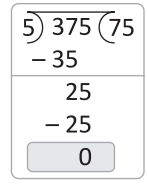
Hence, 520 ÷ 2 = 260

g. **834 ÷ 6**



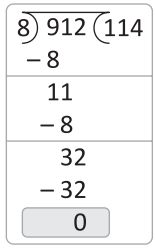
Hence, 834 ÷ 6 = 139

h. **375 ÷ 5**



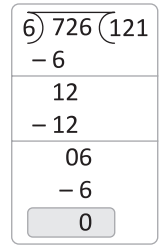
Hence, 375 ÷ 5 = 75

i. **912 ÷ 8**



Hence, 912 ÷ 8 = 114

j. **726 ÷ 6**



Hence, 726 ÷ 6 = 121

k. **976 ÷ 8**

8) 976 (122
– 8
17
– 16
16
– 16
0

Hence, 976 ÷ 8 = 122

l. **836 ÷ 4**

4) 836 (209
– 8
036
– 36
0

Hence, 836 ÷ 4 = 209

m. **927 ÷ 7**

7) 927 (132
– 7
22
– 21
17
– 14
0

Quotient = 132, Remainder = 3

n. **852 ÷ 4**

4) 852 (213
– 8
05
– 4
12
– 12
0

Hence, 852 ÷ 4 = 213

o. **783 ÷ 9**

5) 783 (87
– 72
63
– 63
0

Hence, 783 ÷ 9 = 87

p. **994 ÷ 7**

7) 994 (142
– 7
29
– 28
14
– 14
0

Hence, 994 ÷ 7 = 142

Exercise-7.6

- **Find the quotient and remainder in your notebook. Check your answers also :**

Ans. a. **Quotient = 9,Remainder = 2**

Check :

Dividend = Divisor × Quotient + Remainder

65 = 7 × 9 + 0

= 65

7) 65 (9
– 63
2

b. **Quotient = 5, Remainder = 2**

Check :

Dividend = Divisor × Quotient + Remainder

22 = (4 × 5) + 2

= 22

4) 22 (5
– 20
2

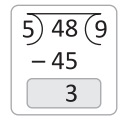
c. **Quotient = 9, Remainder = 3**

Check :

Dividend = Divisor × Quotient + Remainder

48 = (5 × 9) + 3

= 45



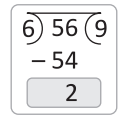
d. **Quotient = 9, Remainder = 2**

Check :

Dividend = Divisor × Quotient + Remainder

56 = (6 × 9) + 2

= 56



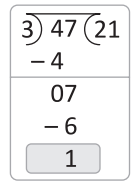
e. **Quotient = 23, Remainder = 1**

Check :

Dividend = Divisor × Quotient + Remainder

47 = (2 × 23) + 1

= 47



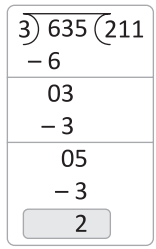
f. **Quotient = 211, Remainder = 2**

Check :

Dividend = Divisor × Quotient + Remainder

635 = (3 × 211) + 2

= 635



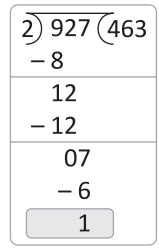
g. **Quotient = 463, Remainder = 1**

Check :

Dividend = Divisor × Quotient + Remainder

927 = (2 × 463) + 1

= 927



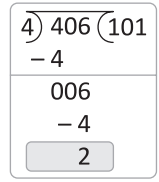
h. **Quotient = 101, Remainder = 2**

Check :

Dividend = Divisor × Quotient + Remainder

406 = (4 × 101) + 2

= 408



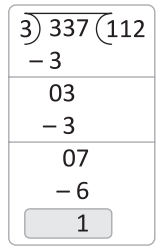
i. **Quotient = 112, Remainder = 1**

Check :

Dividend = Divisor × Quotient + Remainder

337 = (3 × 112) + 1

= 337



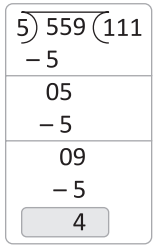
j. **Quotient = 111, Remainder = 4**

Check :

Dividend = Divisor × Quotient + Remainder

559 = (5 × 111) + 4

= 559



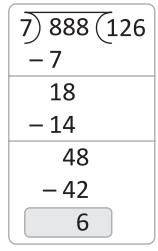
k. **Quotient = 126, Remainder = 6**

Check :

Dividend = Divisor × Quotient + Remainder

888 = (7 × 126) + 6

= 888



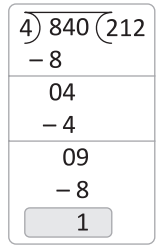
l. **Quotient = 212, Remainder = 1**

Check :

Dividend = Divisor × Quotient + Remainder

49 = (212 × 4) + 1

= 849



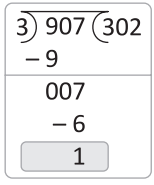
m. **Quotient = 302, Remainder = 1**

Check :

Dividend = Divisor × Quotient + Remainder

907 = (3 × 302) + 1

= 907



n. **Quotient = 221, Remainder = 1**

Check :

Dividend = Divisor × Quotient + Remainder

443 = (2 × 221) + 1

= 443

2) 443 (221
– 4
04
– 4
03
– 2
1

o. **Quotient = 111, Remainder = 1**

Check :

Dividend = Divisor × Quotient + Remainder

667 = (111 × 6) + 1

= 667

6) 667 (111
– 8
06
– 6
07
– 6
1

p. **Quotient = 129, Remainder = 2**

Check :

Dividend = Divisor × Quotient + Remainder

647 = (129 × 5) + 2

= 647

5) 647 (129
– 5
14
– 10
47
– 45
2

q. **Quotient = 90, Remainder = 4**

Check :

Dividend = Divisor × Quotient + Remainder

544 = (90 × 6) + 4

= 544

6) 544 (90
– 54
04

r. **Quotient = 133, Remainder = 6**

Check :

Dividend = Divisor × Quotient + Remainder

937 = (133 × 7) + 6

= 937

7) 937 (133
– 7
23
– 21
27
– 21
6

s. **Quotient = 93, Remainder = 2**

Check :

Dividend = Divisor × Quotient + Remainder

746 = (8 × 93) + 2

= 746

8) 746 (93
– 72
26
– 24
2

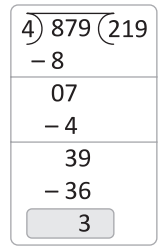
t. **Quotient = 219, Remainder = 3**

Check :

Dividend = Divisor × Quotient + Remainder

879 = (219 × 4) + 3

= 879



Exercise-7.7

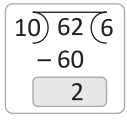
1. Divide the following :

Ans.

S.No.	Division	Quotient	Remainder
a.	70 ÷ 10	7	0
b.	85 ÷ 10	8	5
c.	42 ÷ 10	4	2
d.	300 ÷ 10	30	0
e.	628 ÷ 10	62	8
f.	520 ÷ 10	52	0
g.	799 ÷ 10	79	9
h.	808 ÷ 10	80	8

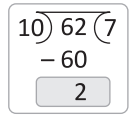
2. Divide the following numbers by 10 :

Ans. a. **62 ÷ 10**



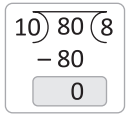
Quotient = 6, Remainder = 2

b. **75 ÷ 10**



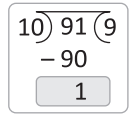
Quotient = 7, Remainder = 5

c. **80 ÷ 10**



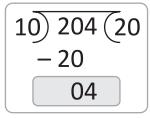
Quotient = 8, Remainder = 0

d. **91 ÷ 10**



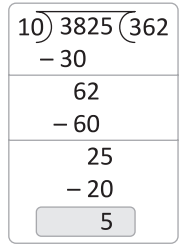
Quotient = 9, Remainder = 1

e. **204 ÷ 10**



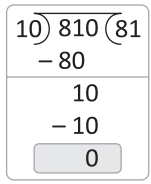
Quotient = 20, Remainder = 4

f. **3625 ÷ 10**



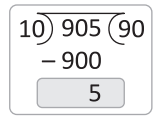
Quotient = 362, Remainder = 5

g. **810 ÷ 10**



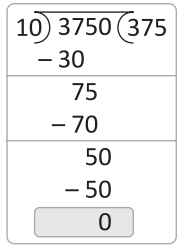
Quotient = 81, Remainder = 0

h. **905 ÷ 10**



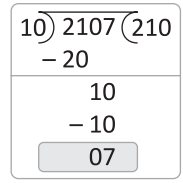
Quotient = 90, Remainder = 5

i. **3750 ÷ 10**



Quotient = 375, Remainder = 0

j. **2107 ÷ 10**



Quotient = 210, Remainder = 7

3. Divide the following numbers by 100 using short method and find quotient and remainder :

Ans. a. **460 ÷ 100**

The last two digit of 460 is the remainder and remaining part 4 is the quotient.

∴ 460 ÷ 100 = 4, remainder = 60

b. **800 ÷ 100**

The last two digit of 800 is the remainder and remaining part 8 is the quotient.

∴ 800 ÷ 100 = 8, remainder = 0

c. **9135 ÷ 100**

The last two digit of 9135 is the remainder and remaining part 91 is the quotient.

∴ 9135 ÷ 100 = 91, remainder = 35

d. **7602 ÷ 100**

The last two digit of 7602 is the remainder and remaining part 76 as quotient.

∴ 7602 ÷ 100 = 76, remainder = 2

e. **7760 ÷ 100**

The last two digit of 7760 is the remainder and remaining part 77 as quotient.

∴ 7760 ÷ 100 = 77, remainder = 60

f. **2914 ÷ 100**

The last two digit of 2914 is the remainder and remaining part 29 as quotient.

∴ 2914 ÷ 100 = 29, remainder = 14

g. **808 ÷ 100**
The last two digit of 808 is the remainder and remaining part 8 as quotient.
∴ 808 ÷ 100 = 8, remainder = 8

h. **806 ÷ 100**
The last two digit of 806 is the remainder and remaining part 8 as quotient.
∴ 806 ÷ 100 = 8, remainder = 6

i. **2105 ÷ 100**
The last two digit of 2105 is the remainder and remaining part 21 as quotient.
∴ 2105 ÷ 100 = 21, remainder = 5

j. **7097 ÷ 100**
The last two digit of 7097 is the remainder and remaining part 70 as quotient.
∴ 7097 ÷ 100 = 70, remainder = 97

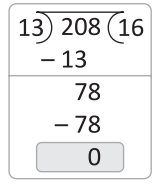
k. **56070 ÷ 100**
The last two digit of 56070 is the remainder and remaining part 70 as quotient.
∴ 56070 ÷ 100 = 560, remainder = 70

l. **59400 ÷ 100**
The last two digit of 59400 is the remainder and remaining part 594 as quotient.
∴ 59400 ÷ 100 = 594, remainder = 0

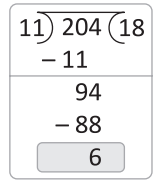
Exercise-7.8

1. Divide and check your answer :

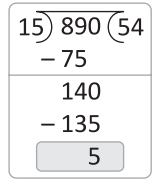
Ans. a. **208 ÷ 13**
Quotient = 16, Remainder = 0
Check :
Dividend = Divisor × Quotient + Remainder
208 = 13 × 16 + 0
= 208



b. **204 ÷ 11**
Quotient = 18, Remainder = 6
Check :
Dividend = Divisor × Quotient + Remainder
204 = (11 × 18) + 6
= 204



c. **890 ÷ 15**
Quotient = 59, Remainder = 5
Check :
Dividend = Divisor × Quotient + Remainder
890 = (15 × 59) + 5
= 890



d. **707 ÷ 15**

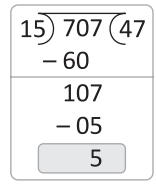
Quotient = 47, Remainder = 2

Check :

Dividend = Divisor × Quotient + Remainder

707 = (15 × 47) + 2

= 707



e. **5562 ÷ 12**

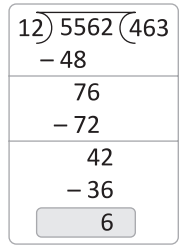
Quotient = 463, Remainder = 6

Check :

Dividend = Divisor × Quotient + Remainder

5562 = (12 × 463) + 6

= 5562



f. **769 ÷ 19**

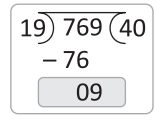
Quotient = 40, Remainder = 9

Check :

Dividend = Divisor × Quotient + Remainder

769 = (19 × 40) + 9

= 769



g. **3340 ÷ 16**

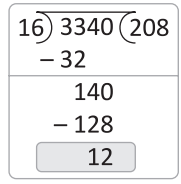
Quotient = 208, Remainder = 12

Check :

Dividend = Divisor × Quotient + Remainder

3340 = (16 × 308) + 12

= 3340



h. **6675 ÷ 14**

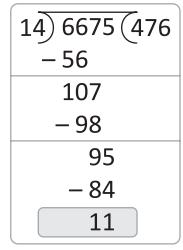
Quotient = 476, Remainder = 11

Check :

Dividend = Divisor × Quotient + Remainder

6675 = (14 × 476) + 11

= 6675



i. **3892 ÷ 18**

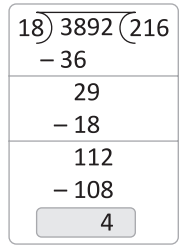
Quotient = 216, Remainder = 4

Check :

Dividend = Divisor × Quotient + Remainder

3892 = (216 × 18) + 4

= 3892



j. **1845 ÷ 18**

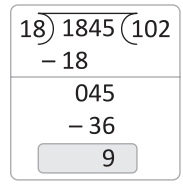
Quotient = 102, Remainder = 9

Check :

Dividend = Divisor × Quotient + Remainder

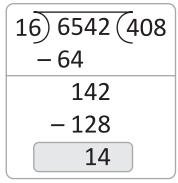
1842 = (18 × 102) + 9

= 1845



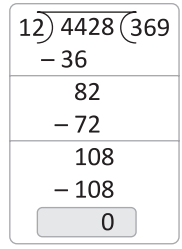
2. Divide :

Ans. a. **6542 ÷ 16**



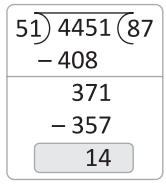
Quotient = 408, Remainder = 14

b. **4428 ÷ 12**



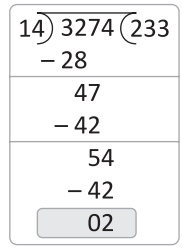
Quotient = 369, Remainder = 0

c. **4451 ÷ 51**



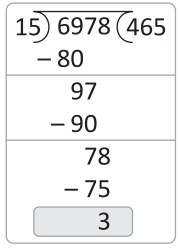
Quotient = 87, Remainder = 14

d. **3274 ÷ 14**



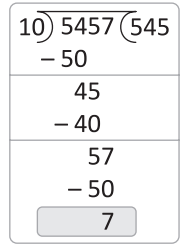
Quotient = 233, Remainder = 2

e. **6978 ÷ 15**



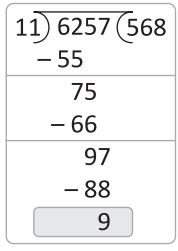
Quotient = 465, Remainder = 3

f. **5457 ÷ 10**



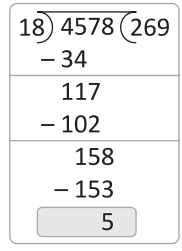
Quotient = 545, Remainder = 7

g. **6257 ÷ 11**



Quotient = 568, Remainder = 9

h. **8165 ÷ 18**



Quotient = 453, Remainder = 11

i. **4578 ÷ 17**

```
17) 4578 (269
   – 34
   ----
    117
   – 102
   ----
     158
    – 153
    -----
       5
```

Quotient = 269, Remainder = 5

j. **8468 ÷ 14**

```
12) 8468 (604
   – 84
   ----
     068
    – 56
    ----
      12
```

Quotient = 604, Remainder = 12

k. **3460 ÷ 18**

```
18) 3460 (192
   – 18
   ----
     16
    – 16
    ----
      40
     – 36
     ----
       4
```

Quotient = 192, Remainder = 4

3. Fill in the blanks (without doing actual division) :

Ans. a. 301 b. 31 c. 11 d. 13 e. 20
f. 15 g. 9 h. 129 i. 300 j. 95

Exercise-7.9

Ans. 1. Number of pencils in each packet = 8
Total no. of people = 512
Number of packets = 512 ÷ 8
= 64

```
8) 512 (64
  – 48
  ----
    32
   – 32
   ----
     0
```

2. Number of flowers = 2008
Number of packets = 8
Number of flowers in each packet = 2008 ÷ 8
= 251

```
8) 2008 (151
  – 16
  ----
    40
   – 40
   ----
    08
   – 8
   ---
    0
```

3. Total number of sticks = 325
No. of sticks in each bundles = 10
No. of bundles = 325 ÷ 10
Sticks left = 5

```
10) 325 (32
  – 30
  ----
    25
   – 20
   ----
     5
```

4. Total no. of seats = 216
No. of rows = 9
No. of seats in each row = 216 ÷ 9
= 24

9) 216 (24
– 184
36
– 36
0

5. Total no. of toffees = 450
No. of groups of children = 9
Toffees each group get = 450 ÷ 9
= 50

9) 450 (50
– 450
0

6. Total no. of books = 540
No. of rows = 6
No. of books kept in one row = 540 ÷ 6
= 90

9) 540 (90
– 540
0

7. Number of containers = 5
Mass of 5 containers = 2790 kg
Mass of each container = 2790 ÷ 5
= 558 kg

5) 2790 (558
– 25
29
– 25
40
– 40
0

8. No. of bicycle made using 2 wheels is 1.
No. of bicycle made using 84 wheels = 84 ÷ 2
= 42

2) 84 (42
– 8
04
– 4
0

9. No. of candles in a box = 5
Total no. of candles = 60
No. of bones needed = 60 ÷ 5
= 12

5) 60 (12
– 3
10
– 10
0

10. Total books = 812
Number of rocks = 7
No. of books on each rock = 812 ÷ 7
= 116

7) 812 (116
– 7
11
– 7
42
– 42
0

NCERT Corner

- **Each cycle needs 2 wheels. How many cycles can be fitted with 12 wheels?**

Ans. 12 equally divided by 2 is **6**.
12 ÷ 2 = **6**.
1. 6 cycles can be fitted by 2 wheels
2. 2 cycles are left

MULTIPLE CHOICE QUESTIONS

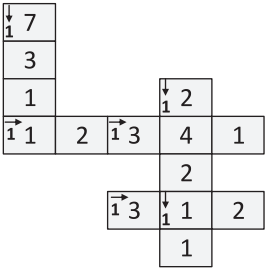
- **Tick (✔) the correct choice.**

Ans. 1. b. 2. a. 3. b. 4. c.
5. d. 6. a. 7. b. 8. d.

MENTAL MATHS

- **Complete the puzzle with the quotient. Clues have been given below :**

Ans.



TEST EXERCISE

1. Solve the following questions :

Ans. a. **19 ÷ 3**

Dividend = 19
Divisor = 3
Quotient = 6
Remainder = 2

b. **Divide 18 erasers into groups of 4.**

4 groups of 4 erasers
2 erasers left over.

2. Divide the following and also write the quotient and remainder :

Ans. a. **36 ÷ 5**

5) 36 (7
− 35
1

Quotient = 7, Remainder = 1

b. **49 ÷ 9**

9) 49 (5
− 45
4

Quotient = 5, Remainder = 4

c. **39 ÷ 6**

6) 39 (6
− 36
3

Quotient = 6, Remainder = 3

d. **70 ÷ 8**

8) 70 (8
− 64
6

Quotient = 8, Remainder = 6

3. Are the given quotients and remainders correct? If no then correct the quotients and remainders :

Ans. a. **47 ÷ 7**

7) 47 (6
− 42
5

Quotient = 6, Remainder = 5
Yes, given quotient and remainder are correct.

b. **89 ÷ 9**

9) 89 (9
− 81
8

Quotient = 9, Remainder = 8
Yes, given quotient and remainder are correct.

4. Divide and check your answers :

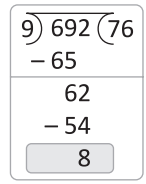
Ans. a. **692 ÷ 9**

Check :

Dividend = Divisor × Quotient + Remainder

692 = (9 × 76) + 8

= 692



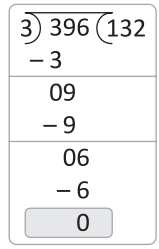
b. **396 ÷ 3**

Check :

Dividend = Divisor × Quotient + Remainder

396 = (3 × 132) + 0

= 369



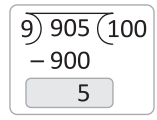
c. **905 ÷ 9**

Check :

Dividend = Divisor × Quotient + Remainder

905 = (9 × 100) + 5

= 905



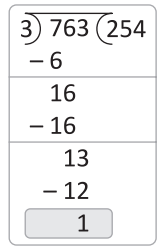
d. **763 ÷ 3**

Check :

Dividend = Divisor × Quotient + Remainder

763 = (3 × 254) + 1

= 763



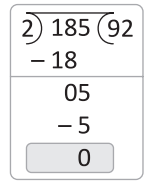
e. **185 ÷ 2**

Check :

Dividend = Divisor × Quotient + Remainder

185 = (2 × 92) + 1

= 185



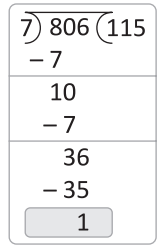
f. **806 ÷ 7**

Check :

Dividend = Divisor × Quotient + Remainder

806 = (7 × 115) + 1

= 806



g. **564 ÷ 4**

Check :

Dividend = Divisor × Quotient + Remainder

564 = (4 × 141) + 0

= 564

4) 564 (141
– 4
16
– 16
04
– 4
0

h. **108 ÷ 6**

Check :

Dividend = Divisor × Quotient + Remainder

108 = (6 × 18) + 0

= 108

6) 108 (18
– 6
48
– 48
0

5. Fill in the blanks :

Ans. a. 4. b. 45, 8 c. 2

d. Remainder e. 4, 9

6. Say True or False :

Ans. a. True b. True c. False d. True e. True

7. Match the Column A and Column B :

Ans. a. (iii) b. (i) c. (ii) d. (v) e. (iv)

8. Divide the following and fill in the boxes :

Ans. a. 16 ÷ 8 = 2 ⇒ 2 × 8 = 16 b. 24 ÷ 4 = 8 ⇒ 6 × 4 = 24

c. 45 ÷ 5 = 9 ⇒ 9 × 5 = 45 d. 64 ÷ 8 = 8 ⇒ 8 × 8 = 64

9. Divide these numbers and check your answers. One has been done for you :

Ans.

S.No.	Divide	Quotient (Q)	Remainder (R)	Q × Divisor + R = Dividend?	Yes/No (✔) (✘)
(a)	26 ÷ 5	5	1	5 × 5 + 1 = 26	✔
(b)	28 ÷ 8	3	4	8 × 3 + 1 = 28	✔
(c)	63 ÷ 5	17	3	5 × 12 + 3 = 63	✔
(d)	86 ÷ 3	28	2	3 × 28 + 2 = 86	✔
(e)	145 ÷ 6	24	1	6 × 24 + 1 = 145	✔
(f)	384 ÷ 9	42	6	9 × 42 + 6 = 384	✔
(g)	545 ÷ 7	77	6	7 × (77) + 6 = 545	✔

10. Solve the following :

Ans. a. No. of ladoos in 1 packet = 6

No. of packets needed to pack 24 ladoos = 24 ÷ 6

= 4

1) 24 (1
– 24
0

b. Total money distributed = ₹960.
No. of children = 4
Amount of money each child gets = 960 ÷ 4
= ₹240

4) 960 (240
– 8
16
– 16
0

c. Total no. of tyres = 186
No. of tyres used for each car = 4
Number of cars who get tyres = 186 ÷ 4
= 46
No. of tyres remaining = 2

4) 186 (46
– 16
26
– 24
2

Chapter-8
Fractions
Exercise-8.1

1. Write the fraction for the shaded part :

Ans. a. $\frac{2}{3}$ b. $\frac{1}{3}$ c. $\frac{7}{12}$ d. $\frac{2}{3}$ e. $\frac{1}{2}$

f. $\frac{3}{4}$ g. $\frac{1}{2}$ h. $\frac{2}{4}$ i. $\frac{6}{8}$

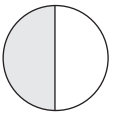
2. Colour to show the fraction :

Ans.

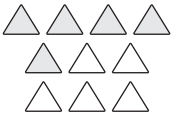
	$\frac{3}{4}$
	$\frac{1}{3}$
	$\frac{2}{4}$
	$\frac{1}{4}$
	$\frac{1}{2}$
	$\frac{2}{3}$

Exercise-8.2

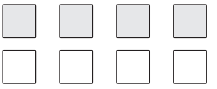
1. Colour one-half of the following :

Ans. a. 

$\frac{1}{2}$ of 2 = 1

b. 

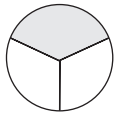
$\frac{1}{2}$ of 10 = 5

c. 

$\frac{1}{2}$ of 8 = 4

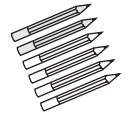
2. Colour one-third of the shapes :

Abs, a.



$\frac{1}{3}$ of 3 = 1

b.



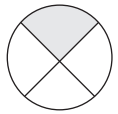
$\frac{1}{3}$ of 6 = 2

c.

$\frac{1}{3}$ of 15 = 5

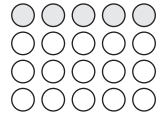
3. Colour one-fourth of the following :

Ans. a.



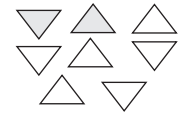
$\frac{1}{4}$ of 4 = 16

b.



$\frac{1}{4}$ of 20 = 5

c.

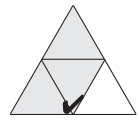


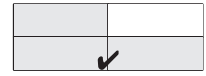
$\frac{1}{4}$ of 8 = 2

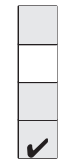
NCERT Corner

1. Tick (✔) the shapes below that show three-quarters.

Ans.

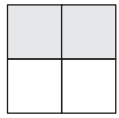




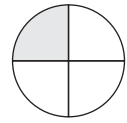


2. Colour the shapes below to show the fractions as instructed.

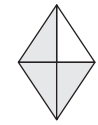
Ans.



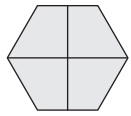
2 quarters



1 quarter

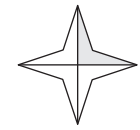


3 quarters



4 quarters

3 quarters

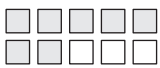


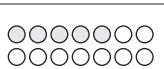
1 quarter

Exercise-8.3

1. Complete the table :

Ans.

S.No.	Figure	Shaded parts (Numerator)	Total parts (Denominator)	Fraction of Shaded parts
1.		1	10	$\frac{1}{12}$
2.		1	4	$\frac{1}{4}$
3.		4	9	$\frac{4}{9}$

4.		5	14	$\frac{5}{14}$
5.		3	8	$\frac{2}{8}$

2. Write a fraction with 9 as the numerator and 16 as the denominator.

Ans. $\frac{9}{16}$

3. Write the numerator and denominator of each of the following fractions :

Ans. a. numerator = 3, denominator = 8
b. numerator = 6, denominator = 17
c. numerator = 2, denominator = 15
d. numerator = 6, denominator = 19

4. Write the fraction in which :

Ans. a. Numerator = 2, Denominator = 7
b. Numerator = 8, Denominator = 7
c. Numerator = 3, Denominator = 8
d. Numerator = 7, Denominator = 9

Exercise-8.4

1. Write each of the following fractions in words :

Ans. a. Five - ninths
b. Four - sevenths
c. Three - sixths
d. Two - fifths
e. Five - sixths
f. Four - eights
g. Seven - tenths
h. One - fifth

2. Write each of the following fractions using numbers :

Ans. a. $\frac{3}{5}$ b. $\frac{1}{7}$ c. $\frac{3}{4}$ d. $\frac{4}{6}$
e. $\frac{5}{7}$ f. $\frac{2}{3}$ g. $\frac{6}{9}$ h. $\frac{7}{10}$

Exercise-8.5

1. Write three equivalent fractions for the following fractions :

Ans. a. $\frac{4}{8}, \frac{6}{9}, \frac{8}{13}$ b. $\frac{2}{16}, \frac{3}{24}, \frac{4}{32}$ c. $\frac{8}{12}, \frac{16}{34}, \frac{32}{08}$ d. $\frac{10}{18}, \frac{20}{36}, \frac{40}{72}$

2. Circle the unit fractions :

Ans. $\frac{2}{5}, \boxed{\frac{1}{7}}, \frac{9}{1}, \frac{6}{3}, \boxed{\frac{1}{9}}, \boxed{\frac{1}{3}}, \frac{2}{4}, \boxed{\frac{1}{8}}$

3. Tick (✔) the like fractions and cross (✘) the unlike fraction :

Ans. a. $\frac{3}{4}, \frac{1}{4}$ ✔ b. $\frac{3}{8}, \frac{1}{7}$ ✘ c. $\frac{2}{6}, \frac{4}{6}$ ✔
d. $\frac{6}{9}, \frac{5}{9}$ ✔ e. $\frac{6}{3}, \frac{4}{7}$ ✘ f. $\frac{8}{7}, \frac{6}{7}$ ✔

Exercise-8.6

1. Use >, < or = :

Ans. a. > b. < c. > d. < e. > f. <

2. No. of portion Akshay ate $= \frac{3}{8}$

Portion eaten by Gori $= \frac{2}{8}$

Since 3 > 2 so Akshay ate more.

3. Portion of work completed by Rimmi $= \frac{3}{8}$

Portion of work completed by Simmi $= \frac{3}{4}$

Since $\frac{3}{8} > \frac{3}{4}$

Simmi completed more work.

Exercise-8.7

1. Circle the greatest fraction in each group :

Ans. a. $\frac{1}{3}$ b. $\frac{4}{5}$ c. $\frac{10}{13}$ d. $\frac{10}{17}$ e. $\frac{5}{7}$ f. $\frac{19}{27}$

2. Circle the smallest fraction in each group :

Ans. a. $\frac{2}{7}$ b. $\frac{3}{14}$ c. $\frac{2}{7}$ d. $\frac{5}{13}$ e. $\frac{6}{17}$ f. $\frac{19}{22}$

3. Arrange in ascending order :

Ans. a. $\mathbf{\frac{6}{8}, \frac{5}{8}, \frac{1}{8}, \frac{4}{8}}$

Since, 6 > 5 > 4 > 1.

Ascending order is given by $\frac{1}{8} < \frac{4}{8} < \frac{5}{8} < \frac{6}{8}$

b. $\mathbf{\frac{1}{3}, \frac{1}{7}, \frac{1}{9}, \frac{1}{6}}$

Since numerator are equal, so 3 < 6 < 7 < 9.

Ascending order is given by $\frac{1}{9} < \frac{1}{7} < \frac{1}{6} < \frac{1}{3}$

c. $\mathbf{\frac{3}{9}, \frac{3}{3}, \frac{3}{5}, \frac{3}{8}}$

Since numerator are equal 3 < 5 < 8 < 9.

Ascending order is given by $\frac{3}{9} < \frac{3}{8} < \frac{3}{5} < \frac{3}{3}$

d. $\mathbf{\frac{1}{5}, \frac{3}{5}, \frac{7}{5}, \frac{4}{5}}$

Since numerator are equal 1 < 3 < 4 < 7.

Ascending order is given by $\frac{1}{5} < \frac{3}{5} < \frac{4}{5} < \frac{7}{6}$

4. Arrange in descending order :

Ans. a. $\frac{9}{17}, \frac{11}{17}, \frac{7}{17}, \frac{14}{17}$

Since denominator are same $14 > 11 > 9 > 7$.

Descending order is given by $\frac{14}{17} > \frac{11}{17} > \frac{9}{17} > \frac{7}{17}$

b. $\frac{5}{7}, \frac{5}{8}, \frac{5}{9}, \frac{5}{6}$

Descending order is given by $\frac{5}{6} > \frac{5}{7} > \frac{5}{8} > \frac{5}{9}$

c. $\frac{2}{5}, \frac{3}{5}, \frac{1}{5}, \frac{4}{5}$

Descending order is given by $\frac{4}{5} > \frac{3}{5} > \frac{2}{5} > \frac{1}{5}$

d. $\frac{7}{10}, \frac{7}{9}, \frac{7}{8}, \frac{7}{11}$

Descending order is given by $\frac{7}{8} > \frac{7}{9} > \frac{7}{10} > \frac{7}{11}$

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. c. 2. b. 3. a. 4. a.

TEST EXERCISE

1. Write fractions for the shaded parts :

Ans. a. $\frac{1}{5}$ b. $\frac{1}{8}$

2. Write fractions for each of the following :

Ans. a. $\frac{5}{6}$ b. $\frac{3}{9}$ c. $\frac{2}{8}$

3. Write name for each fraction :

Ans. a. Five-seventh b. Four-ninth c. Two-fifth

4. Fill in the boxes :

Ans. a. 8 b. 1 c. 9 d. 7

5. Answer the questions :

Ans. a 

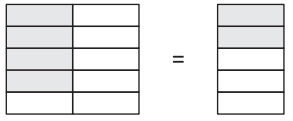
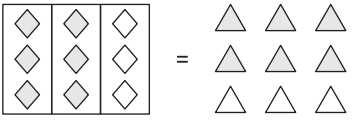
b. 

c. $\frac{1}{6}$ d. 6 e. 4

6. Write the following :

Ans. a. 6 b. 8

7. Colour to show equivalent fractions :

Ans. a.  b. 

Chapter-9
Geometrical Concepts
Exercise-9.1

1. Fill each box in a suitable way :

Ans. a. Rectangular b. Circular

2. How many squares do you see in the these figures?

Ans. a. 5 b. 5 c. 6

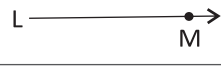
3. How many triangles do you see in these figures?

Ans. a. 5 b. 6 c. 18

Exercise-9.2

1. Complete the table :

Ans.

.X	Point X
	Line $\overleftrightarrow{MN}$
	Line segment $\overleftrightarrow{ST}$
	Ray $\overleftrightarrow{AB}$
	Line $\overleftrightarrow{DE}$
	Ray $\overleftrightarrow{LM}$

2. Fill in the blanks :

Ans. a. no b. definite c. location
d. 2 e. point f. point

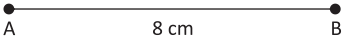
Exercise-9.3

1. Measure the length of line segments with the help of a ruler :

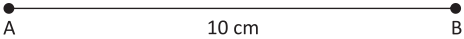
Ans. a. 5.5 cm b. 5.3 cm c. 5.4 cm d. 4.4 cm

2. Draw line segments of the given length in your notebook :

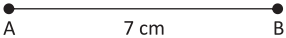
Ans. a.



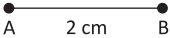
b.



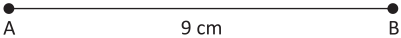
c.



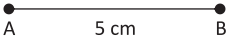
d.



e.



f.



Exercise-9.4

1. Look at the following figures. Write open or closed below the figures :

Ans. a. Open b. Open c. Closed d. Open e. Open f. Closed

Exercise-9.5

1. Name each of the following figures :

Ans. a. Rectangle b. Triangle c. Rectangle
d. Square e. Circle f. Triangle
g. Circle h. Square i. Rectangle

2. Put a tick (✔) on the correct shape for each :

Ans. a. Circle b. Rectangle c. Rectangle
d. Square e. Triangle

3. Which shape do the following have?

Ans. a. circle b. rectangle c. circular
d. circular e. square f. square

4. Fill in the blanks :

Ans. a. 3, 3 b. 4, 4 c. no, no d. equal e. equal

NCERT Corner

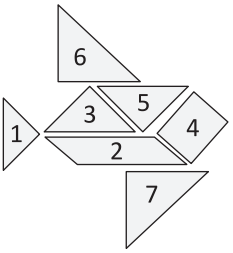
- **Look at the different rectangles given below and answer the following questions.**

Ans. a. 4 b. 4 c. Yes
d. Rectangle is a 4-sided quadrilateral having opposite sides equal and all angles are 90.

Exercise-9.6

- **Look at the shape made with the help of tangram pieces. Number the pieces as shown above. (The first one is done for you.)**

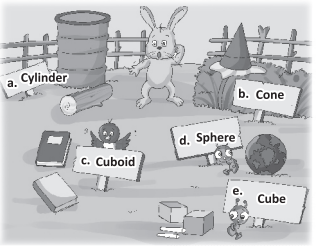
Ans.



Exercise-9.7

1. What is the shape of the following objects? Write on the boards :

Ans.



2. Solve the following riddles and name the shapes :

Ans. a. cube b. cylinder

3. Fill in the blanks :

Ans. a. two, two b. cylinder c. cone
d. plane e. sphere f. cubes

MENTAL MATHS

- **Colour the shape according to the colour given for each shape.**

Ans. Do it yourself.

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. a. 2. a. 3. b. 4. c. 5. c.

TEST EXERCISE

1. Tangram is an old **Chinese** puzzle.

2. See the figure and answer the following questions.

Ans. a. Pairs of adjacent sides of square are :
HE and **EF** **EF** and **GE**
GF and **GH** **GH** and **HE**

b. Pairs of opposite vertices are :
G and **E** **H** and **E**

c. Pairs of opposite sides are :
GF and **HE** **GH** and **EF**

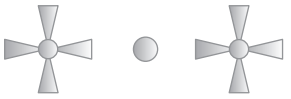
d. Diagonals are **FH** and **GE**.
Diagonals of a square are **equal** (equal, unequal).

3. a. Adjacent sides of a rectangle meet at a point called **vertex** of the rectangle.

b. Pair of adjacent sides of triangle given here are :
p and **q**, **q** and **r**, **r** and **p**

Chapter-10
Patterns
Exercise-10.1

1. Look for the pattern and complete the series for each of the following :

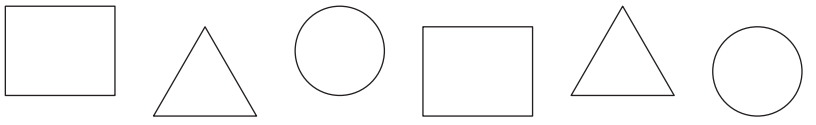
Ans. a. 

b. 

c. 

d. 

2. Make your own pattern :

Ans. 

Exercise-10.2

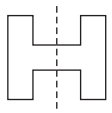
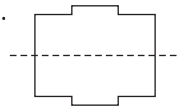
1. Does the dotted line divide each of the following figures into two similar halves? If the figure is symmetrical, put a tick (✔), otherwise a cross (✘) :

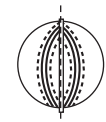
Ans. a. ✔ b. ✘ c. ✘ d. ✔
e. ✔ f. ✔ g. ✔ h. ✘

Exercise-10.3

1. Draw the other half of the following figures so that they are symmetrical. Use a ruler if you want. Colour the shapes :

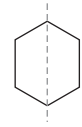
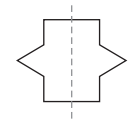
Ans. a. b. c. d.



e. f. g. h.



Exercise-10.4

- **Colour the following tiles in different colours to make patterns :**

Ans. Do it yourself.

Exercise-10.5

1. Look for the pattern and write the next 3 terms of the series in each of the following :

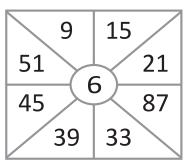
Ans. a. 90, 110, 130 b. 45, 55, 65 c. 16, 15, 14
d. 40, 48, 56 e. 22, 37, 42

2. Find the pattern, and fill in the empty spaces in each of the following :

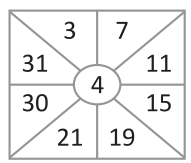
Ans. a.

1	2	3	4	5	6	7	8
10	20	30	40	50	60	70	80

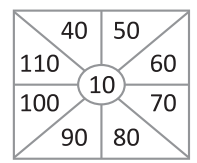
b. (i)



(ii)



(iii)

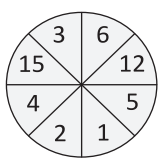


3. Write the missing numbers in the box :

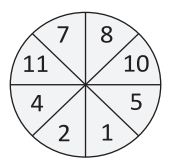
Ans. a. 21, 23, 75, 28, 31, 33 b. 1, 2, 3, 4, 5, 6
c. 12, 20, 28, 36, 44, 52 d. 5, 10, 15, 10, 25, 30

4. Study the pattern and fill in the missing terms. The first one is done for you :

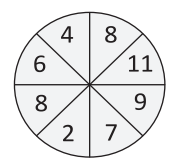
Ans. a.



b.



c.



NCERT Corner

- **Complete the tessellation by colouring the figures :**

Ans. Do it yourself.

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

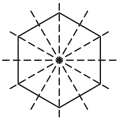
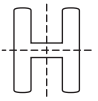
Ans. 1. b. 2. b. 3. a. 4. a.
5. b. 6. c. 7. a.

TEST EXERCISE

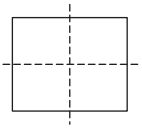
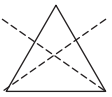
1. Draw lines to divide the following figures into two similar halves :

Ans. a. b. c. d.



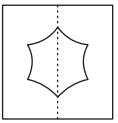
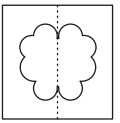
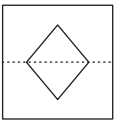



e. f. g. h.

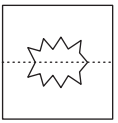
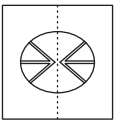
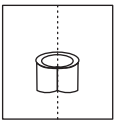



2. Complete the following figures so that they are symmetrical about the line of symmetry :

Ans. a. b. c.

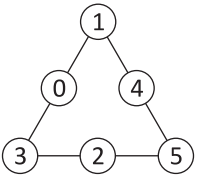




d. e. f.

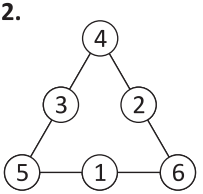
3. a. Write the numbers 1 to 6 in the circles. So that each side of the triangle adds up to 10.

Ans.



b. Write the numbers 1 to 6 in the circles so that each side of the triangle adds up to 12.

Ans.



4. Observe the pattern and complete the sequences :

Ans. a. 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143.
b. 3066, 3076, 3086, 3096, 3106, 3116, 3126, 3136, 3146, 3156.
c. 4321, 4421, 4521, 4621, 4721, 4821, 4921, 5021, 5121, 5211.
d. 2231, 3231, 4231, 5231, 6231, 7231, 8231, 9231, 10231, 11231.
f. 2135, 3135, 4135, 5135, 6135, 7135, 8135, 9135, 10135, 11135.
g. 4506, 5506, 6506, 6506, 7506, 8506, 9506, 10506, 11506, 12506..
h. 3176, 4176, 5176, 6176, 7176, 8176, 9176, 10176, 11176
i. 2100, 2000, 1900, 1800, 1700, 1600, 1500, 1400, 1300.
j. 1100, 2100, 3100, 4100, 5100, 6100, 7100, 8100, 9100.

Chapter-11
Measurement
Exercise-11.1

1. Fill in the blanks :

Ans. . 7 crayons b. 12 sharpners c. 4 eraser

2. Write which one will be in centimetres, metres and which one will be in kilometres.

Ans.

	Thing	In centimetres	In metres	In kilometres
a.	Height of a computer screen.	✔		
b.	Depth of a well.		✔	
c.	Height of a your father.		✔	
d.	Length of a pagdi worn by sikhs.		✔	
e.	Distance from school to home.			✔
f.	Distance between Shimla and Delhi.			✔

3. Guess and match with the approximate length :

Ans. a. ii. b. iii. c. i.

Exercise-11.2

1. Convert the following into centimetres :

Ans. a. **6 m**

1 m = 100 cm
6 m = 6 × 100 cm
= 600 cm

b. **20 m 86 cm**

1 m = 100 cm
20 m = 20 × 100
= 2000 cm
20 m 86 cm = 200 + 86
= 2086 cm

c. **15 m 16 cm**

1 m = 100 cm

15 m = 15 × 100

= 1500 cm

15 m 16 cm = 1500 cm + 16 cm

= 1516

d. **80 m 80 cm**

1 m = 100 cm

80 m = 80 × 100

= 8000 cm

80 m 80 cm = 8000 cm + 80 cm

= 8080 cm

e. **16 m 63 cm**

1 m = 100 cm

16 m = 16 × 100

= 1600 cm

16 m 63 cm = 1600 + 63 cm

= 1663 cm

f. **38 m 40 cm**

1 m = 100 cm

38 m = 38 × 100 cm

= 3800 cm

38 m 40 cm = 3800 cm + 40 cm

= 3840 cm

g. **23 m 36 cm**

1 m = 100 cm

23 m = 23 × 100

= 2300 cm

23 m 36 cm = 2300 cm + 36 cm

= 2336 cm

h. **21 m 7 cm**

1 m = 100 cm

21 m = 21 × 100

= 2200 cm

21 m 7 cm = 2100 cm + 7 cm

= 2107 cm

i. **46 m 4 cm**

1 m = 100 cm

46 m = 46 × 100

= 4600 cm

46 m 4 cm = 4600 cm + 4 cm

= 4604 cm

2. Convert the following into metres :

Ans. a. **8 km**

1 km = 1000 m

8 km = 8 × 1000 m

= 8000 m

8 km = 8000 m

b. **5 km 180 m**

1 km = 1000 m,

5 km = 5000 m

5 km 180 m = 5000 m + 180 m

= 5180 m

c. **700 cm**

1 cm = $(\frac{1}{100})$ m,

700 cm = $\frac{700}{100}$ m

= 7 m

d. **500 cm**

1 cm = $(\frac{1}{100})$ m

500 cm = $\frac{500}{100}$ cm

= 5 m

e. **2 km 86 m**

1 km = 1000 m

2 km = 2 × 1000 m

= 2000 m

2 km = 86 m

= 2000 m + 86 m

= 2086 m

f. **4 km 670 m**

1 km = 1000 m

4 km = 4 × 1000

= 4000 m

4 km = 670 m

= 4000 m + 670 m

= 4670 m

g. **3 km 500 m**

1 km = 1000 m
3 km = 3 × 1000
= 3000 m
3 km = 500 m
= 300 m + 500 m
= 3500 m

h. **8 km 250 m**

1 km = 1000 m
8 km = 8 × 1000 m
= 8000 m
8 km 250 m = 8000 m + 250 m
= 8250 m

i. **4 km 50 m**

1 km = 1000 m,
4 km = 4 × 1000 m
= 4000 m
4 km 50 m = 4000 m + 50 m
= 4050 m

3. Convert the following into metres and centimetres :

Ans. a. **1860 cm**

1860 cm = 1800 cm + 60 cm.
Since 100 cm = 1 m
1800 cm = 18 m
= 1860 cm
= 18 m 60 cm

b. **4290 cm**

4290 cm = 4200 cm + 90 cm
Since 100 cm = 1 m
So 42 cm = 42 m
4290 cm = 42 m 90 cm

c. **6430 cm**

6430 cm = 6400 cm + 30 cm
Since 100 cm = 1 m
So 6400 cm = 64 m
6430 = 64 m 30 cm

d. **7065 cm**

7065 cm = 7000 cm + 65 cm
7000 ÷ 100 = 70 m
7065 cm = 70 m 65 cm

e. **9835 cm**

9835 cm = 9800 cm + 835 cm
9800 ÷ 100 = 98 m
9835 cm = 98 m 35 cm

f. **1923 cm**

1923 cm = 1900 cm + 23 cm
1900 ÷ 100 = 19 m
1923 cm = 19 m 23 cm

g. **1025 cm**

1025 cm = 1000 cm + 25 cm
1000 ÷ 100 = 10 m
1025 cm = 10 m 25 cm

h. **3508 cm**

3508 cm = 3500 cm + 8 cm
3500 ÷ 100 = 35 m
3408 cm = 35 m 8 cm

i. **4200 cm**

4200 cm = 4200 ÷ 100
= 42 m

4. Convert the following into kilometres :

Ans. a. **5000 m**

Since, 1 km = 1000 m
5000 m = 5000 ÷ 1000
= 5 km

b. **3000 m**

Since, 1000 m = 1 km
So, 3000 m = 3000 ÷ 1000
= 3 km

c. **9000 m**

Since, 1000 m = 1 km
So 9000 ÷ 1000 = 9 km

d. **8000 m**

Since, 1000 m = 1 km
So 8000 ÷ 1000 = 8 km

e. **7000 m**

Since, 1000 m = 1 km,
So 7000 ÷ 1000 = 7 km

f. **1000 m**

Since, 1000 m = 1 km
So 1000 ÷ 1000 = 1 km

g. **2000 m**

Since, 1000 m = 1 km
So 2000 ÷ 1000 = 2 km

h. **4000 m**

Since, 1000 m = 1 km
So 4000 ÷ 1000 = 4 km

i. **6000 m**

Since, 1000 m = 1 km
So 6000 ÷ 1000 = 6 km

5. Convert the following into kilometres and metres :

Ans. a. **9859 m**

9859 m = 9000 m + 859 m
Since 1 km = 1000 m
So, 9000 m = 9000 ÷ 1000
= 9 km
9859 m = 9 km 859 m

b. **7100 m**

7100 m = 7000 m + 100 m
Since 1 km = 1000 m
So, 7000 m = 7000 ÷ 1000
= 7 km
7100 m = 7 km 100 m

c. **6003 m**

6003 m = 6000 m + 3 m
Since 100 m = 1 km
6000 ÷ 1000 = 6 km
6003 m = 6 km 3 m

d. **1030 m**

1030 m = 100 m + 30 cm
Since 1000 m = 1 km
1030 m = 1 km 30 m

e. **6985 m**

6935 m = 6000 m + 985 cm
Since 1000 m = 1 km

f. **2120 m**

2120 m = 2000 m + 120 m
Since 1000 m = 1 km

6000 ÷ 1000 = 6 km
6985 n = 6 km 985 m

g. **6835 m**
6835 m = 6000 m + 835 m
Since 1000 m = 1 km
6000 ÷ 1000 = 6 km
6835 m = 6 km 835 m

h. **4560 m**
4560 m = 4000 m + 5600 m
Since 1000 m = 1 m
4000 ÷ 1000 = 4 km
4560 m = 4 km 560 m

i. **7500 m**
7500 m = 7000 m + 500 m
Since 1000 m = 1 km
7000 ÷ 1000 = 7 km
7500 = 7 km 500 m

Exercise-11.3

1. Add the following :

Ans. a.

m	cm
22	17
+ 47	52
69	69

b.

m	cm
1 1	
55	32
+ 68	60
123	92

c.

m	cm
1	1
33	48
+ 44	73
78	21

d.

m	cm
1 1	1
179	16
+ 69	59
248	75

e.

km	m
56	317
+ 83	470
139	787

f.

km	m
1	1
64	250
+ 26	570
90	820

g.

km	m
1	1
28	239
+ 59	741
87	980

h.

km	m
1 1 1	1
78	750
+ 24	250
103	000

2. Subtract the following :

Ans. a.

m	cm
38	38
− 16	20
22	18

b.

m	cm
84	72
− 52	51
32	21

c.

m	cm
4 15	13 18
56	48
− 27	69
28	79

d.

m	cm
0 8	16
394	68
− 245	76
148	94

e.

km	m
6 18	2 15
78	350
− 59	275
19	085

f.

km	m
93	300
− 62	100
31	200

g.

km	m
6 12	1 7 16
72	286
− 66	067
06	119

h.

km	m
1 9 10	15
200	500
− 100	800
99	700

3. Add the following :

Ans. a. **66 m 36 cm + 23 m 88 cm**

m	cm
1 1	1
66	36
+ 23	88
90	24

∴ 66 m 36 cm + 23 m 88 cm = 70 m 24 cm

b. **47 km 568 m + 55 km 768 m**

00	000
1 1	1 1
47	568
+ 55	768
103	336

∴ 47 km 568 m + 55 km 768 m = 103 km 336 m

c. **36 m 28 cm + 258 m 83 cm + 140 m 36 cm**

m	cm
1 1 1	1
36	28
258	83
+ 140	36
435	47

∴ 36 m 28 cm + 258 m 83 cm + 140 m 36 cm = 435 m 47 cm

d. **286 m 48 cm and 456 m 18 m**

m	cm
1 1	1
286	48
+ 456	18
742	66

∴ 286 m 48 cm + 456 m 18 cm = 742 m 66 cm

4. Subtract the following :

Ans. a. **29 m 60 cm + 68 m 45 cm**

m	cm
5 18	0 14
~~6~~8	1~~4~~5
− 29	60
38	85

∴ 68 m 45 cm – 29 m 60 cm = 38 m 85 cm

b. **289 m 29 cm + 375 m 58 cm**

m	cm
375	58
− 289	29
86	29

∴ 375 m 58 cm – 289 m 29 cm = 86 m 29 cm

c. **185 m 86 cm + 365 m 60 cm**

m	cm
2 15 14	15 10
~~3~~6~~5~~	60
− 185	86
179	74

∴ 365 m 60 m – 185 m 86 cm = 179 m 74 cm

d. **79 km 13 m + 94 km 31 m**

km	m
94	31
– 79	13
15	18

∴ 94 km 31 m – 79 km 13 m = 15 km 18 m

Exercise-11.4

1. Convert the following into grams :

Ans. a. **8 kg**

1 kg = 1000 g,
8 kg = 8 × 100 g
= 8000 g

b. **3 kg 780 g**

1 kg = 1000 g,
3 kg = 3 × 1000 g
= 3000 g
3 kg 780 g = 3000 g + 780 g
= 3780 g

c. **4 kg 435 g**

1 kg = 1000 g,
4 kg = 4 × 1000 g
= 4000 g
4 kg 435 g = 4000 g + 435 g
= 4435 g

d. **7 kg 25 g**

1 kg = 1000 g,
7 kg = 7 × 1000 g
= 7000 g
7 kg 25 g = 7000 g + 25 g
= 7025 g

e. **9 kg 450 g**

1 kg = 1000 g,
9 kg = 9 × 1000 g
= 9000 g
9 kg 450 g = 9000 g + 450 g
= 9450 g

f. **5 kg 454 g**

1 kg = 1000 g,
5 kg = 5 × 1000 g
= 5000 g
5 kg 454 g = 5000 g + 454 g
= 5454 g

g. **4 kg 678 g**

1 kg = 1000 g,
4 kg = 4 × 1000 g
= 4000 g
4 kg 678 g = 4000 g + 678 g
= 4678 g

h. **6 kg 340 g**

1 kg = 1000 g,
6 kg = 6 × 100 g
= 6000 g
6 kg 340 g = 6000 g + 340 g
= 6340 g

i. **3 kg 540 g**

1 kg = 1000 g,
3 kg = 3 × 1000 g
= 3000 g
3 kg 540 g = 3000 g + 540 g
= 3540 g

j. **5 kg 650 g**

1 kg = 1000 g,
5 kg = 5 × 1000 g
= 5000 g
5 kg 650 g = 5000 g + 650 g
= 5640 g

k. **4 kg**

1 kg = 1000 g,
4 kg = 3 × 1000 g
= 4000 g

l. **2 kg 158 g**

1 kg = 1000 g,
2 kg = 2 × 100 g
= 2000 g

2 kg 158 g = 2000 g + 158 g
= 2158 g

2. Convert the following into kilograms and grams :

Ans. a. **5000 g**

5000 g = (5000 ÷ 1000) kg
= 5 kg

b. **1008 g**

1008 g = 1000 g + 8 g
= (1000 ÷ 1000) kg + 8 g
= 1 kg 8 g

c. **7870 g**

7870 g = 7000 g + 870 g
= (7000 ÷ 1000) kg + 870 g
= 7 kg 870 g

d. **1645 g**

1645 g = 1000 g + 645 g
= (1000 ÷ 1000) kg + 645 g
= 1 kg 645 g

e. **2070 g**

2070 g = 2000 g + 70 g
= (2000 ÷ 1000) kg + 70 g
= 2 kg 70 g

f. **4088 g**

4088 g = 4000 g + 88 g
= (4000 ÷ 1000) kg + 88 g
= 4 kg 88 g

g. **6789 g**

6789 g = 6000 g + 789 g
= (6000 ÷ 1000) kg + 789 g
= 6 kg 789 g

h. **8500 g**

8500 g = 8000 g + 500 g
= (8000 ÷ 1000) kg + 500 g
= 8 kg 500 g

i. **3123 g**

3123 g = 3000 g + 123 g
= (3000 ÷ 1000) kg + 123 g
= 3 kg 123 g

j. **7200 g**

7200 g = 7000 g + 200 g
= (7000 ÷ 1000) kg + 200 g
= 7 kg 200 g

k. **6570 g**

6570 g = 6000 g + 570 g
= (6000 ÷ 1000) kg + 570 g
= 6 kg 570 g

l. **1525 g**

1525 g = 1000 g + 525 g
= (1000 ÷ 1000) kg + 525 g
= 1 kg 525 g

Exercise-11.5

1. Add the following :

Ans. a.

kg	g
41	100
− 15	810
56	910

b.

kg	g
14	810
+ 50	170
64	980

c.

kg	g
33	110
+ 12	210
45	320

d.

kg	g
35	220
+ 53	120
08	340

e.

kg	g
12	360
+ 7	205
19	565

f.

kg	g
66	154
+ 23	102
89	256

2. Subtract the following :

Ans. a.

kg	g
21	259
− 10	134
11	925

b.

kg	g
69	490
− 34	170
35	320

c.

kg	g
76	640
− 25	320
51	327

d.

kg	g
56	870
− 31	310
25	560

e.

kg	g
43	750
− 20	440
23	310

f.

kg	g
35	470
− 22	350
13	120

3. Add the following :

Ans. a. **7 kg 540 g + 1 kg 350 g**

kg	g
7	540
+ 1	350
8	890

Hence, 7 kg 540 g + 1 kg 350 g = 8 kg 890 g

b. **6 kg 30 g + 5 kg 670 g**

kg	g
1 1	
6	30
+ 5	670
11	700

Hence, 6 kg 30 g + 5 kg 670 g = 11 kg 700 g

c. **3 kg 385 g + 7 kg 365 g**

kg	g
1	11
3	385
+ 7	365
10	750

Hence, 3 kg 385 g + 7 kg 365 g = 10 kg 750 g

d. **22 kg 567 g + 15 kg 550**

kg	g
1	1
22	567
+ 15	550
38	117

Hence, 22 kg 567 g + 15 kg 550 g = 38 kg 117 g

4. Subtract the following :

Ans. a. **6 kg 567 g – 3 kg 340 g**

kg	g
6	567
– 3	340
3	227

So, 6 kg 567 g – 3 kg 340 g = 3 kg 227 g

b. **9 kg 680 g – 4 kg 560 g**

kg	g
9	680
– 4	560
5	120

So, 9 kg 680 g – 4 kg 560 g 5 kg 120 g

c. **33 kg 805 g – 23 kg 876 g**

kg	g
212	17915
33	805
– 23	876
9	929

So, 33 kg 805 g – 23 kg 876 g = 9 kg 929 g

d. **128 kg 330 g – 125 kg 75 g**

kg	g
128	330
– 125	75
30	255

So, 128 kg 330 g – 125 kg 75 g = 3 kg 255 g

Exercise-11.6

1. Given below are some containers, and their capacities in millilitres. Circle the correct number of containers needed to make 1 litre in each of the following :

Ans. a. 1 litre = 1000 mL

500 mL 200 mL 200 mL 100 mL

b. 1 litre = 1000 mL

200 mL 200 mL 200 mL 200 mL 200 mL

c. 1 litre = 1000 mL

100 mL 500 mL 200 mL 200 mL

d. 1 litre = 1000 mL

250 mL 250 mL 500 mL

e. 1 litre = 1000 mL

500 mL 200 mL 200 mL 100 mL

2. The capacity of each container is given. A small cup has a capacity of 200 mL. Write the number of cups of water needed to fill the different containers.

Ans. a. **5** cups to fill it. b. **10** cups to fill it. c. **6** cups to fill it.

3. Write the correct measure (mL or L) for each of the following :

Ans. a. *l* b. ml c. ml d. *l* e. ml f. *l*

4. Convert the following into millilitres :

Ans. a. **9 *l***

1 *l* = 1000 ml, 9 *l*
= 9 × 1000
= 9000 ml

b. **3 *l* 440 ml**

1 *l* = 1000 ml,
3 *l* = 3 × 1000
= 3000 ml
3 *l* 440 ml = 3000 ml + 440 ml
= 3440 ml

c. **7 *l* 4 ml**

1 *l* = 1000 ml,

d. **8 *l* 675 ml**

1 *l* = 1000 ml,

7 l = 7 × 1000
= 7000 ml
7 l 4 ml = 7000 ml + 4 ml
= 7004 ml

8 l = 8 × 1000
= 8000 ml
8 l 675 ml = 8000 ml + 675 ml
= 8675 ml

e. **5 l 720 ml**

1 l = 1000 ml,
5 l = 5 × 1000
= 5000 ml
5 l 720 ml = 5000 ml + 720 ml
= 5720 ml

f. **6 l 880 ml**

1 l = 1000 ml,
6 l = 6 × 1000
= 6000 ml
6 l 880 ml = 6000 ml + 880 ml
= 6880 ml

g. **4 l 725 ml**

1 l = 1000 ml,
4 l = 4 × 1000
= 4000 ml
4 l 725 ml = 4000 ml + 725 ml
= 4725 ml

h. **9 l 460 ml**

1 l = 1000 ml,
9 l = 9 × 1000
= 9000 ml
9 l 460 ml = 9000 ml + 460 ml
= 9460 ml

i. **3 l 50 ml**

1 l = 1000 ml,
3 l = 3 × 1000
= 300 ml
3 l 50 ml = 3000 ml + 50 ml
= 3050 ml

5. Convert the following into litres :

Ans. a. **14000 ml**

1 ml = l
14000 ml = $\frac{1}{1000}$ l
= 14 l

b. **6000 ml**

1 ml = l
= $\frac{4000}{1000}$ l
= 6 l

c. **9876 ml**

9876 ml = 9000 ml + 876 ml
Since 1 ml = $\frac{1}{1000}$ l
= $\frac{9000}{1000}$ l 876 ml
= 9 l 876 ml

d. **7765 ml**

7765 ml = 7000 ml + 765 ml
Since 1 ml = $\frac{1}{1000}$ l
= $\frac{9000}{1000}$ l + 765 ml
= 7 l 765 ml

e. **2343 ml**

2343 ml = 2000 ml + 343 ml
Since 1 ml = $\frac{1}{1000}$ l
= $\frac{9000}{1000}$ l 343 ml
= 2 l 343 ml

f. **8004 ml**

8004 ml = 8400 ml + 4 ml
Since 1 ml = $\frac{1}{1000}$ l
8004 ml = $\frac{9000}{1000}$ l 4 ml
= 8 l 4 ml

g. **6575 ml**

6575 ml = 6000 ml + 575 ml

Since 1 ml = $\frac{1}{1000}$ /

= $\frac{6000}{1000}$ / 575 ml

= 6 / 575 ml

h. **7500 ml**

7500 ml = 7000 ml + 500 ml

Since 1 ml = $\frac{1}{1000}$ /

7500 = $\frac{7000}{1000}$ / 500 ml

= 7 / 500 ml

i. **18000 ml**

1 ml = $\frac{1}{1000}$ /

18000 ml = $\frac{18000}{1000}$ /

= 18 /

NCERT Corner

Ans. Do it yourself.

Exercise-11.7

1. Add the following :

Ans. a.

/	ml
15	720
+ 21	250
36	970

b.

/	ml
16	270
+ 23	220
39	490

c.

/	ml
43	370
+ 16	120
59	400

d.

/	ml
14	750
+ 15	140
39	800

e.

/	ml
17	620
+ 71	160
88	780

f.

/	ml
10	120
+ 25	456
35	586

g.

/	ml
26	140
+ 32	226
50	366

h.

/	ml
13	306
+ 41	270
54	577

2. Subtract the following :

Ans. a.

/	ml
63	780
− 42	240
21	540

b.

/	ml
19	650
− 12	640
7	010

c.

/	ml
64	850
− 13	320
51	830

d.

/	ml
75	270
− 40	210
35	060

e.

/	ml
37	850
− 25	320
12	530

f.

/	ml
39	870
− 15	240
24	630

g.

/	ml
59	576
− 17	123
43	453

h.

/	ml
92	600
− 10	200
82	400

3. Add the following :

Ans. a. **25 / 253 ml and 34 / 500 ml**

/	ml
25	253
+ 34	500
59	753

So, 25 / 253 ml + 34 / 500 ml = 59 / 753 ml

b. **48 / 865 ml, 19 / 535 ml and 22 / 765 ml**

	/	ml
	2 2	1 1
	48	865
	19	535
+	22	765
	91	165

So, 48 / 865 ml + 19 / 535 ml + 22 / 765 ml = 91 / 165 ml

c. **13 / 500 ml and 16 / 750 ml**

	/	ml
	1 1	
	13	500
+	16	750
	30	250

So, 13 / 500 ml + 16 / 750 ml = 30 / 250 ml

d. **45 / 115 ml, 27 / 75 ml and 17 / 875 ml**

	/	ml
	2 1	1 1
	45	115
	27	75
+	17	875
	90	065

So, 45 / 115 ml + 27 / 75 ml + 17 / 875 ml = 90 / 65 ml

4. Subtract the following :

Ans. a. **15 / 200 ml from 34 / 650 ml**

	/	ml
	0 0	0 0 0
	54	650
–	15	200
	19	450

Thus, 34 / 650 ml 15 / 200 ml = 19 / 450 ml

b. **75 / 880 ml from 82 / 130 ml**

	/	ml
	0 0	0 0 0
	82	130
–	75	880
	6	250

Thus, 82 / 130 ml 75 / 880 ml = 6 / 250 ml

c. **10 / 380 ml from 54 / 780 ml**

	/	ml
	54	780
–	10	380
	44	400

Thus, 54 / 780 ml 10 / 380 ml = 44 / 400 ml

d. **55 / 934 ml from 84 / 870 ml**

/	ml
0 0	0 0 0
89	870
– 55	934
28	936

Thus, 84 / 870 ml 55 / 934 ml = 28 / 936 ml

Exercise-11.8

Ans. 1. Length of blue ribbon = 25 m 35 cm
Length of red ribbon = 40 m 64 cm
Length of green ribbon = 16 m 39 cm
Total length of rope purchased = 25 m 35 cm + 40 cm 64 cm + 16 m 39 cm
= 82 m 38 cm

m	cm
1 1	1
25	35
40	64
+ 16	39
82	38

Total length of rope purchased by Sanjay 82 m 38 cm.

2. Length of rope = 45 m 65 cm
Length of piece which is cut = 19 m 36 cm
Length of remaining rope = 45 m 65 cm – 19 m 36 cm
= 26 m 29 cm

m	cm
3 15	5 15
~~45~~	~~65~~
– 19	36
26	29

26 m 29 cm is the length of remaining rope.

3. Reena jogs = 5 km 650 m
Vihan jogs = 7 km 50 m
= 1 km 400 m
So, Vihan jogs more than Reena by 1 km 400 m.

/	ml
6	10
~~7~~	50
– 5	650
1	400

4. Oil contain in 1st container = 16 / 350 ml
Oil contained in 2nd container = 16 / 875 ml
Total oil in both containers = 16 / 350 ml + 16 / 875 ml
= 33 / 225 ml

/	ml
1 1	1
16	350
+ 16	875
33	225

5. Total potatoes bought = 5 kg 500 g
Total tomatoes bought = 1 kg 225 g
Total weight of potatoes they bought = 5 kg 500 g + 1 kg 225 g
= 6 kg 725 g

kg	g
5	500
+ 1	225
6	725

6. Tailor had thread = 500 m
Amount of thread used = 242 m 5 cm
Amount of thread left = 500 m 242 m 5 cm
= 257 m 95 cm

m	cm
4 9 9	9 10
~~5~~ ~~0~~ ~~0~~	~~0~~ ~~0~~
– 242	05
257	95

7. Apples fruit seller had 50 kg.
Apples sold to one customer 5 kg 625 g.
Apples sold to another customer 7 kg 205 g.
Amount of apples left with him = 50 kg – 5 kg 625 g – 7 kg 205 g
= 50 kg 12 kg 830 g
= 37 kg 170 g

kg	g
7	205
+ 5	625
12	830

kg	g
4 9	9 10
~~5~~ ~~0~~	~~0~~ ~~0~~ 0
– 12	830
37	170

8. Potatoes bought by Mrs Kashup = 4 kg 450 g
Tomatoes bought by Mrs Kashup = 5 kg 625 g
Onions bought by Mrs Kashup = 6 kg 600 g
Total vegetables she bought = 4 kg 450 g + 5 kg 625 g + 6 kg 600 g
= 16 kg 675 g

kg	g
1 1	
4	450
5	625
+ 6	600
16	675

9. Weight of Prateek = 76 kg 450 g
Weight of Rahul = 89 kg 10 g
Difference of their weights = 89 kg 10 g – 76 kg 450 g
= 12 kg 560 g
Rahul weight more than Prateek by 12 kg 560 g.

kg	g
8	9 11
~~8~~ ~~9~~	~~0~~ ~~1~~ 0
– 76	450
12	560

10. Paint bought = 65 l 560 ml
Paint used = 47 l 450 ml
Paint left = 65 l 560 ml – 47 l 450 ml
= 18 l 110 ml

l	ml
5 15	
~~6~~ ~~5~~	560
– 47	450
18	110

NCERT Corner

Ans. Do it yourself.

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. a. 2. b. 3. c. 4. b. 5. b.

MENTAL MATHS

1. Put >, < or = sign in the following boxes :

Ans. a. < b. < c. < d. = e. >
f. = g. < h. > i. = j. >

2. Fill in the blanks :

Ans. a. 500 g. b. $\frac{1}{2}$

TEST EXERCISE

1. Convert the following :

Ans. a. 6000 ml b. 2100 cm c. 3000 g d. 2600 cm
e. 32000 ml f. 45000 g g. 70 dm h. 120 cm
i. 252 cm j. 169 dm k. 3508 cm l. 19108 g
m. 14540 ml n. 2405 cm

2. Choose the correct symbol <, > or =.

Ans. a. > b. > c. = d. < e. < f. >

3. Add the following :

Ans. a. 18 m 4 cm and 51 m 2 cm

m	cm
18	4
+ 51	2
69	6

So, 18 m 4 cm + 51 m 2 cm
= 69 m 6 cm

b. **62 kg 430 g and 35 kg 120 g**

kg	g
62	430
+ 35	120
97	550

So, 62 kg 430 g + 35 kg 120 g
= 97 kg 550 g

c. **44 l 403 ml and 23 l 162 ml**

l	ml
44	403
+ 23	162
67	565

So, 44 l 403 ml + 23 l 162 ml
= 63 l 565 ml

d. **33 dm 14 cm and 25 dm 12 cm**

dm	cm
33	14
+ 25	12
58	26

So, 33 dm 14 cm + 25 dm 12 cm
= 58 dm 26 cm
1 dm = 10 cm
58 dm = 58 × 10
= 580 cm

So, 58 dm 26 cm = 580 + 26
= 606 cm

4. Subtract the following :

Ans. a. 34 m 6 dm from 48 m 9 dm

m	dm
48	9
– 34	6
14	3

So, 48 m 9 dm – 34 m 6 dm
= 14 m 3 dm

b. **56 l 102 ml from 89 l 345 ml**

l	ml
89	345
– 56	102
33	243

So, 89 l 345 ml – 56 l 102 ml
= 33 l 243 ml

c. **15 kg 520 g from 36 kg 790 g**

kg	g
36	790
– 15	520
21	270

So, 36 kg 790 g – 15 kg 520 g
= 21 kg 270 g

d. **12 m 9 cm from 27 m 15 cm**

m	cm
27	15
– 12	9
15	6

So, 27 m 15 cm – 12 m 9 cm
= 15 m 6 cm

5. Answer these questions :

Ans. a. 1000 b. 10

Chapter-12
Money
Exercise-12.1

1. Complete the table :

Ans.

		In figures	In Word
1.		₹205.75	Two hudnred five rupees seventy five paise
2.		₹78	Seventy eight rupees
3.		₹575.50	Five hundred seven five rupees fifty paise

Always count from the bigger amount to the smaller one.

2. Express the following amounts in figures :

Ans. a. 0.75 b. ₹327.25 c. 4.75 d. ₹327.05
e. 25.60 f. 0.65 g. 0.625 h. 0.825

3. Use minimum number of notes or coins to make the given amount.

Ans.

Denomination Amount	₹ 2000	₹ 500	₹ 100	₹ 50	₹ 20	₹ 10	₹ 5	₹ 2	₹ 1	p 50	p 25
₹437.25			4		1	1	1	1			1

₹299.00			2	1	2		1	2			
₹357.25		1	3				1	1			1
₹688.00		1	1	1	1	1	1	1	1		
₹450.25			4	1							1
₹238.75			2		1	1	1	1	1		
₹3251.50	1	2	2	1					1		
₹476.25			4	1	2		1		1		1
₹945.75		1	4		2		1			1	1
₹2000.50	1									1	
₹1521.00		3				2			1		

4. Given below are some amount in words, express them in figures :

Ans. a. ₹65.030 b. ₹80.25 c. ₹105.75 d. ₹2.25 e. ₹77.75

5. Express the following amounts in words :

Ans. a. Eight paise
b. Seventy five paise
c. Rupees three and seventeen paise
d. Rupees twenty two and forty paise
e. Rupees two hundred sixteen and twenty seven paise
f. Rupees eight hundred twenty three and fifty two paise
g. Rupees one thousand forty five and seventy five paise
h. Rupees nine thousand nine hundred six and eighty paise

Exercise-12.2

1. Convert into paise :

Ans.

a. 1800	b. 1128	c. 775	d. 2525
e. 7500	f. 4675	g. 2000	h. 47265
i. 1850	j. 7525	k. 13745	l. 9370

2. Convert into rupees and paise :

Ans.

a. ₹1.98	b. ₹3.10	c. ₹38.80	d. ₹6.60
e. ₹15.75	f. ₹76.25	g. ₹5.60	h. ₹28
i. ₹24.75	j. ₹9.50	k. ₹3.75	l. ₹42.80

Exercise-12.3

1. Add :

Ans. a.

₹	p
1	1
18	55
+ 19	25
37	80

b.

₹	p
1 1	1
26	48
+ 36	57
63	05

c.

₹	p
	1
36	48
+ 21	60
58	08

d.

₹	p
12	34
+ 63	25
75	59

e.

₹	p
34	25
+ 34	40
68	65

f.

₹	p
25	23
+ 34	66
59	89

g.

₹	p
	1
11	55
+ 18	25
39	80

h.

₹	p
310	45
+ 319	43
629	88

i.

₹	p
81	25
+ 15	20
96	45

2. Add :

Ans. a.

	1
₹	7.30
+ ₹	5.70
₹13	00

b.

₹	6.30
+ ₹10	60
₹16	90

c.

	00
₹	63.60
+ ₹	39.39
₹102	99

d.

	11	1
₹347	45	
₹047	26	
+ ₹145	13	
₹539	84	

e.

	111	1
₹245	75	
₹046	50	
+ ₹376	30	
₹688	55	

f.

	112	2
₹	52.68	
₹429	79	
+ ₹373	58	
₹856	05	

g.

	111	1
₹2675	45	
₹ 534	23	
+ ₹ 385	09	
₹3594	77	

h.

	2	21	1
₹ 915	36		
₹1729	48		
+ ₹ 526	25		
₹3171	09		

i.

	111	
₹825	73	
₹083	54	
+ ₹038	12	
₹947	39	

3. Find the sum of the following :

Ans. a. **8 rupees 30 paise and 6 rupees 70 paise**

₹	p
8.	30
+ 6.	70
14	100

= ₹15

b. **7 rupees 30 paise and 10 rupees 60 paise**

₹	p
7	30
+ 10	60
17	90

= ₹17.90

c. **13 rupees 50 paise and 36 rupees 45 paise**

₹	p
13	50
+ 36	45
49	95

= ₹49.95

d. **25 rupees 50 paise and 15 rupees 30 paise**

₹	p
25	50
+ 15	30
40	80

= ₹40.80

e. **30 rupees 17 paise and 21 rupees 16 paise**

₹	p
30	17
+ 21	16
51	33

= ₹51.33

f. **48 rupees 13 paise and 16 rupees 35 paise**

₹	p
48	13
+ 16	35
64	48

= ₹64.48

4. Put each of the following in column and add :

Ans. a. **₹4.55 and ₹22.45**

₹	p
14	55
+ 22	45
37	00

₹14.55 + ₹22.45 = ₹37

b. **₹68.25 and ₹46.50**

₹	p
1 1	
68	25
+ 46	50
114	75

₹68.25 + ₹46.50 = ₹114.75

c. **₹15.10, ₹18.60 and ₹25.75**

₹	p
1 1	
15 .	10
18 .	60
+ 25 .	75
59 .	45

₹15.10 + ₹18.60 + ₹25.75 = ₹59.45

d. **₹32.50 and ₹48.50**

₹	p
32 .	50
+ 48 .	50
81 .	00

₹32.50 + ₹48.50 = ₹81

e. **₹95.50, ₹75.75 and ₹195.85**

₹	p
2 1 2	1
95 .	50
75 .	75
+ 195 .	85
367 .	10

₹95.50 + ₹75.75 + ₹195.85 = ₹367.10

f. **₹36.45, and ₹428.75, ₹337.28**

₹	p
1 2 1	1
36	45
428	75
+ 337	28
802	48

₹36.45 + ₹428.75 + ₹337.28 = 802.48

5. Subtract :

Ans. a.

₹	p
4	16
7~~5~~ .	~~6~~5
− 23 .	80
51 .	85

b.

₹	p
88 .	90
− 48 .	65
40 .	25

c.

₹	p
7	17
6~~8~~ .	~~7~~0
− 45 .	90
22 .	80

d.

₹	p
45 .	75
− 24 .	35
21 .	40

e.

₹	p
97 .	45
− 42 .	12
55 .	33

f.

₹	p
46 .	59
− 20 .	45
26 .	14

g.

₹	p
535 .	80
− 115 .	60
420 .	20

h.

₹	p
638 .	65
− 128 .	35
500 .	30

i.

₹	p
43 .	83
− 42 .	51
1 .	32

6. Find the difference :

Ans. a.

₹	p
79	61
−14	29
65	32

b.

₹	p
37	49
−04	64
32	95

c.

₹	p
73	49
−16	61
56	88

d.

₹	p
88	46
−16	49
71	97

e.

₹	p
45	49
−15	46
30	03

f.

₹	p
84	42
−42	68
41	74

g.

₹	p
242	42
−052	31
190	00

h.

₹	p
82	01
−41	92
40	09

i.

₹	p
91	31
−41	06
50	25

j.

₹	p
646	00
−092	64
553	36

k.

₹	p
484	39
−164	36
320	03

l.

₹	p
300	01
−049	24
250	77

7. Subtract the following :

Ans. a. **7 rupees 13 paise from 13 rupees 25 paise**

₹	p
13	25
− 7	13
6	12

= ₹6.12

b. **17 rupees 60 paise from 26 rupees 32 paise**

₹	p
26	32
−17	60
8	72

= ₹8.72

c. **230 rupees 50 paise from 236 rupees 50 paise**

₹	p
236	50
−230	50
6	00

= ₹6

d. **32 rupees 60 paise from 36 rupees 45 paise**

₹	p
36	45
−32	60
3	85

= ₹3.85

e. **46 rupees 30 paise from 50 rupees 60 paise**

₹	p
50	60
−46	30
4	30

= ₹14.30

f. **From ₹226.12 subtract ₹89.08**

₹	p
226	12
− 89	08
137	04

= ₹137.04

g. **From ₹289.45 subtract ₹178.60**

	₹	p
	8	14
	289	45
−	178	60
	110	85

= ₹110.85

h. **From ₹684 subtract ₹550.50**

	₹	p
	11115	10
	6Ø4	Ø0
−	89	50
	137	50

= ₹137.04

i. **From ₹2,126.08 subtract ₹1,058.80**

	₹	p
	11115	10
	2126	Ø8
−	1058	80
	1067	28

= ₹1067.28

j. **₹98.84 from ₹234.62**

	₹	p
	1 1213	1512
	234	62
−	98	84
	135	78

= ₹135.78

k. **₹358.36 from ₹571.05**

	₹	p
	6 10	9 15
	571	Ø5
−	358	36
	212	69

= ₹212.69

8. Subtract the following :

Ans. a.

	₹	p
	4 9	910
	₹50	00
−	₹29	25
	₹20	75

b.

	₹	p
	3 18	
	₹48	85
−	₹29	75
	₹14	10

c.

	₹	p
	7	18
	₹168	80
−	₹137	90
	₹030	90

d.

	₹	p
	0 9 9	10
	₹100	00
−	₹048	50
	₹051	50

e.

	₹	p
	31213	
	₹433	75
−	₹389	25
	₹044	50

f.

	₹	p
	81610	
	₹970	00
−	₹695	00
	₹275	00

Exercise-12.4

Ans. 1. Money took = ₹70.60
Cost of book = ₹13.90
Money left = ₹70.60 − ₹13.90
= ₹56.70

	6 9	16
	70	60
−	13	90
	56	70

2. Cost of geometry box = ₹18.90
Cost of pen = ₹6.70
Money she needed = ₹18.90 + ₹6.70
= ₹25.60

	1 1	
	18	90
+	6	70
	25	60

3. Money spend = ₹30.75
Money Ram left with = ₹28.50
Money Ram had initially = ₹30.75 + ₹28.50
= ₹59.25

```
  1
 30.75
+28.50
 59.25
```

4. Money Rashi had = ₹15.25
Money given by her mother = ₹25.75
Total money she has now = ₹15.25 + ` ₹25.75
= ₹41.00

```
  11 1
 15.25
+25.75
 41.00
```

5. Cost of stamps = ₹15.75
Money given = ₹20.00
Money he should get back = ₹20.00 – ₹15.75
= ₹4.25

```
 19  910
 20.00
-15.75
  4.25
```

6. Cost of train ticket = ₹58.50
Money paid = ₹100.00
Money he should get back = ₹100.00 – ₹58.50
= ₹41.50

```
  99 10
 100.00
- 58.50
  41.50
```

7. Money Lalit has = ₹248.30
Money Balu has = ₹329.70
Money Balu has more than back = ₹100 – ₹58.50
= ₹81.50

```
 111  11
 329.70
-248.30
  41.40
```

8. Bhola had = ₹50
Price of book = ₹125.50
Money needed to buy books = ₹125.50 – ₹50
= ₹75.50

```
 010
 105.50
- 50.00
  75.50
```

9. First installment = ₹175.70
Second installment = ₹154.80
Total amount to pay = ₹175.70 + ₹154.80
= ₹330.50

```
 111
 175.70
+154.80
 330.50
```

10. Cost of apples = ₹18
Cost of oranges = ₹12.75
Cost of bananas = ₹7
Total money spend = ₹18 + ₹12.75 + ₹7
= ₹37.75

```
  11  11
 18.00
 12.75
+ 7.00
 37 75
```

11. Cost of note-book = ₹6.80
Cost of tent-book = ₹12.75
Money given to shopkeeper = ₹50
Money returned = ₹50 – (₹6.80 + ₹12.75)
= ₹50 – ₹19.55
= ₹30.45

```
 49  910
 50.00
-19.55
 30.45
```

```
  1
 6.80
+12.75
 19.55
```

12. Monthly income = ₹9438
Monthly expenditure = ₹8436.45
Total savings = ₹9438 – ₹8436.45
= ₹1001.55

	7	9 10
9438	.	00
– 8436	.	45
1001	.	55

Exercise-12.5

1. Multiply the following :

Ans. a.

₹	p
17	18
×	4
68	72

b.

₹	p
22	5
×	7
154	35

c.

₹	p
6	5
×	8
48	40

d.

₹	p
16	32
×	2
32	64

e.

₹	p
10	8
×	2
30	16

f.

₹	p
15	6
×	3
45	18

g.

₹	p
19	11
×	4
76	94

h.

₹	p
22	6
×	2
94	12

i.

₹	p
20	19
×	2
40	38

2. Fill in the blanks :

Ans. a. 175 p b. 144 p c. 140 p d. 117 p e. 192 p
f. 319 p g. 432 p h. 128 p i. 234 p j. 245 p
k. 392 p l. 801 p m. 215 p n. 360 p o. 336 p
p. 152 p q. 259 p r. 144 p

3. Multiply :

Ans. a.

	1	1
₹24	.	32
×		4
97	.	28

b.

	1	1
₹246	.	6
×		2
993	.	22

c.

		1
₹81	.	39
×		2
162	.	78

d.

	1	1
₹38	.	36
×		6
230	.	16

e.

₹59	.	36
×		7
415	.	52

f.

₹68	.	44
×		4
273	.	76

g.

₹58	.	47
×		6
350	.	82

h.

₹207	.	06
×		8
1656	.	48

i.

₹840	.	68
×		9
7566	.	02

j.

₹92	.	45
×		7
647	.	15

k.

₹71	.	34
×		5
356	.	7

l.

₹239	.	64
×		8
1917	.	12

4. Multiply :

Ans. a. **₹59.80 by 9.**

59	.	80
×		9
538	.	2

Hence, ₹59.80 × 9 = ₹538.20

b. **₹578.85 by 4.**

316	.	35
×		3
949	.	05

Hence, ₹578.85 × 4 = ₹2315.40

c. **₹316.35 by 3.**

$$\begin{array}{r} 578.85 \\ \times 4 \\ \hline 2315.40 \end{array}$$

Hence, ₹316.35 × 3 = ₹949.05

d. **₹89.79 by 8.**

$$\begin{array}{r} ₹89.79 \\ \times 8 \\ \hline 718.32 \end{array}$$

Hence, ₹89.79 × 8 = ₹718.32

e. **₹22.25 by 8.**

$$\begin{array}{r} 22.25 \\ \times 8 \\ \hline 178 \end{array}$$

Hence, ₹22.25 × 8 = ₹78

f. **₹707.75 by 3.**

$$\begin{array}{r} 707.75 \\ \times 3 \\ \hline 2123.25 \end{array}$$

Hence, ₹707.75 × 3 = ₹2123.25

g. **₹920.65 by 6.**

$$\begin{array}{r} 920.65 \\ \times 6 \\ \hline 5523.90 \end{array}$$

Hence, ₹920.65 × 6 = ₹15523.90

h. **₹608.62 by 9.**

$$\begin{array}{r} 608.62 \\ \times 9 \\ \hline 5477.58 \end{array}$$

Hence, ₹608.62 × 9 = ₹5477.58

i. **₹75 by 7.**

$$\begin{array}{r} 3 \\ 75 \\ \times 7 \\ \hline 529 \end{array}$$

Hence, ₹75 × 7 = ₹525

j. **₹27.84 by 8.**

$$\begin{array}{r} 27.84 \\ \times 8 \\ \hline 222.72 \end{array}$$

Hence, ₹27.84 × 8 = ₹222.72

5. Fill in the blanks :

Ans. a. 4 p b. 21 p c. 8 p d. 12 p
e. 9 p f. 10 p g. 6 p h. 11 p
i. 6 p j. 8 p k. 3 p l. 10 p

6. Fill in the blanks :

Ans. a. ₹8 b. ₹5 c. ₹6 d. ₹8
e. ₹6 f. ₹15 g. ₹13 h. ₹15
i. ₹9 j. ₹6 k. ₹16 l. ₹5
m. ₹10 n. ₹10

7. Divide :

Ans. a. **₹20.25 by 5**

$$\begin{array}{l} 5\,)\,20.25\,(\,4.05 \\ \;-20 \\ \hline \quad 0.25 \\ \quad -25 \\ \hline \qquad 0 \end{array}$$

Hence, 20.25 ÷ 5 = 4.05

b. **₹20.84 by 4**

$$\begin{array}{l} 4\,)\,20.84\,(\,5.21 \\ \;-20 \\ \hline \quad 08 \\ \quad -8 \\ \hline \qquad 04 \\ \qquad -4 \\ \hline \qquad 0 \end{array}$$

So , ₹20.84 ÷ 4 = ₹5.21

c. **₹78.65 by 11**

11) 78.65 (7.15
– 77
16
– 11
55
– 55
00

So, ₹78.65 ÷ 11 = ₹7.15

d. **₹707.7 by 7**

7) 707.7 (101.1
– 7
007
– 7
07
– 7
0

So , ₹707.7 ÷ 7 = ₹101.1

e. **₹524.20 by 10**

10) 524.20 (52.42
– 50
24
– 20
42
– 40
00

So , ₹524.20 ÷ 10 = ₹52.42

f. **₹35.43 by 3**

3) 35.43 (11.81
– 3
05
– 3
24
– 24
03
– 3
0

So , ₹35.43 ÷ 3 = ₹11.81

g. **₹544.44 by 20**

20) 544.4 (27.222
– 40
144
– 140
44
– 40
44
– 40
40
– 40
0

So , ₹544.44 ÷ 20 = ₹27.222

h. **₹112.80 by 5**

5) 112.80 (22.56
– 10
12
– 10
28
– 25
30
– 30
0

So , ₹112.84 ÷ 5 = ₹22.56

i. **₹900.20 by 10**

5) 900.20 (4.05
– 900
20
– 20
0

So , ₹900.20 ÷ 10 = ₹90.02

j. **₹50.15 by 5**

5) 50.15 (10.03
– 50
0.15
– 15
0

So, ₹50.15 ÷ 5 = ₹10.03

8. Divide :

Ans. a. **₹435.40 ÷ 7**

7) 435.00 (62.20
– 12
15
– 14
14
– 14
0

So, ₹435.40 ÷ 7 = ₹62.20

b. **₹5431.50 ÷ 15**

15) 5431.50 (362.10
– 45
93
– 90
31
– 30
15
– 15
0

So, ₹5431.50 ÷ 15 = ₹362.10

c. **₹207.60 ÷ 3**

3) 207.60 (69.20
– 18
27
– 27
6
– 6
00

So, ₹207.60 ÷ 3 = ₹69.20

d. **₹45.15 ÷ 15**

15) 45.15 (3.02
– 45
15
– 15
0

So, ₹45.15 ÷ 15 = ₹362.10

e. **₹32.80 ÷ 8**

8) 32.80 (4.10
– 32
80
– 80
0

So, ₹32.80 ÷ 8 = ₹4.20

f. **₹892.56 ÷ 12**

12) 892.56 (74.38
– 84
52
– 48
45
– 36
96
– 96
0

So, ₹892.56 ÷ 12 = ₹74.38

g. **₹63.49 ÷ 7**

7) 63.49 (9.07
– 63
49
– 49
0

So, ₹63.49 ÷ 7 = ₹9.07

h. **₹32.88 ÷ 8**

8) 32.88 (9.11
– 32
08
– 8
08
– 8
0

So, ₹32.88 ÷ 8 = ₹4.11

Exercise-12.6

Ans. **1.** Cost of 1 pen = ₹15.50
Cost of 5 pens = ₹15.50 × 5
= ₹77.50

```
 15.50
   × 5
 77.50
```

2. Cost of 8 boxes = ₹194
Cost of 1 box = ₹194 ÷ 8
= ₹24.25

```
8) 194 (24.25
 – 16
   34
 – 32
    20
  – 16
    40
  – 40
     0
```

3. Cost of a ticket = ₹154.75
Total money paid = ₹154.75 × 3
= ₹464.25

```
 154.75
    × 3
 464.25
```

4. a. Cost of 8 bottles = ₹392
Cost of 1 bottle = ₹392 ÷ 8
= ₹49

```
8) 392 (49
 – 32
    72
  – 72
     0
```

b. Money given to shopkeeper = ₹500
Total cost of 8 bottles = ₹392
Money return by shopkeeper = ₹500 – ₹392
= ₹108

```
  4  9 10
  5  0  0
– 3  9  2
  1  0  8
```

5. Cost of 1 chocolates box = ₹89.75
Cost of 8 chocolates boxes = ₹89.75 × 8
= ₹718

```
 89.75
   × 8
   718
```

6. Cost of pair of jeans = ₹425
Cost of matching top = ₹165.70
Total money spent = ₹425 + ₹165.70
= ₹590.70

```
  425.00
+ 165.70
  590.70
```

7. Cost of 8 flowers = ₹90.40
Cost of 1 flower = 9.40 ÷ 8
= ₹11.30

```
8) 90.40 (11.30
 – 8
   10
  – 8
    24
  – 24
     0
```

8. Cost of board game = ₹172.50
Cost of 1 pen = ₹38.25
Cost of 2 pens = ₹38.25 × 2
= ₹765

```
  425.00
+ 165.70
  590.70
```

Cost of gluestick = ₹23.75
Money with her = ₹375
Money left with her = 375 (172 + 76.50 + 23.75)
= 375 272.75
= ₹102.25

```
  11  11
  18.00
  12.75
+  7.00
  37  75
```

Exercise-12.7

1. Aarush went to a shop. Read what each of them bought. Then make his bills with the help of price list.

Ans.

Aarush's Bill					
S.No.	**Item**	**Quantity**	**Rate**	**₹**	**P**
1.	Balls	3	₹8	24	
2.	Tag car	3	₹65	65	
3.	Balloons	3	₹3	9	
4.	Teddy bear	1	₹70	70	
Total				**168**	

2. Zeenat went to a toy shop. She bought 2 cars for ₹15.00 each, 3 pencil boxes for ₹10.50 each, 1 doll for ₹55.00, 3 balls for ₹3.00 each. Prepare a bill for Zeenat's items.

Ans.

S.No.	**Item**	**Quality**	**Rate per item**	**₹**	**P**
1.	Cars	2	₹15	30	
2.	Pencil boxes	3	₹10.50	31.50	
3.	Doll	1	₹55	55	
4.	Balls	3	₹3	9	
Total				**125.5**	

3. Read the following and solve :

Ans. a.

S.No.	**Item**	**Cost**
1.	Vegetables	₹45
2.	Fruits	₹78.50
3.	Juice packet	₹56.50
Total Cost		**₹180**

b.

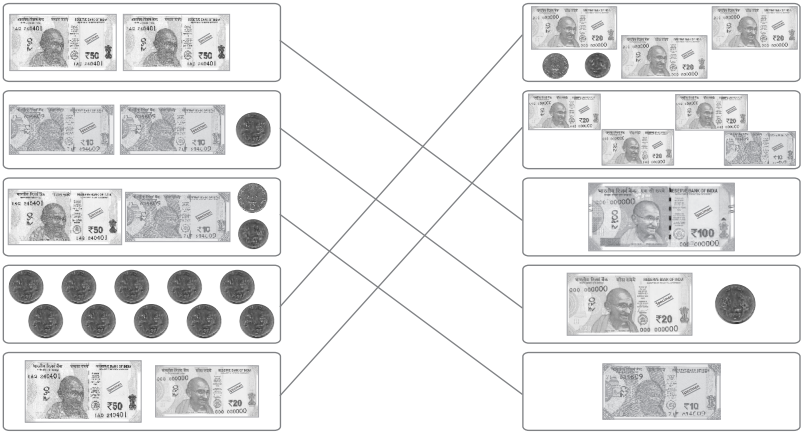
S.No.	Item	Quantity	Rate per item	Total Price
1.	Pencils	6	₹5	₹30
2.	Erasers	4	₹3	₹42
3.	Sharpeners	4	₹8	₹32
4.	Colour box	1	₹12.50	₹12.50
Total				**₹86.50**

Balance Pratik gets = ₹100 – ₹86.50
= ₹13.50

NCERT Corner

- **Match the notes and coins in the two columns that have the same values.**

Ans.



MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. a. 2. c. 3. b. 4. b.

MENTAL MATHS

- **Put > < or = sign in the box :**

Ans. a. < b. = c. < d. < e. = f. >

TEST EXERCISE

1. Fill in the blanks :

Ans. a. 600 p b. 1425 p c. ₹7.15 d. ₹18.60

2. Add :

Ans. a. **₹96 + ₹242.34** b. **₹350.05 + ₹713.25 + ₹542.60**

```
  1
₹ 242.34
+  96.00
  338.34
```

₹96 + ₹242.34
= ₹338.34

```
    1   1
  ₹ 350.05
  ₹ 713.25
+ ₹ 542.60
  1605.90
```

c. **₹8.75 + ₹94.32 + ₹631.60**

```
  1 1 1
 ₹631.60
 ₹ 94.32
+₹  8.75
  734.67
```

d. **₹86 + ₹474.70**

```
    1 1
 ₹ 986.00
+₹ 474.70
 ₹1460.70
```

3. Subtract :

Ans. a. **₹32.45 and ₹56.47**

b. **₹539.16 from ₹919.85**

c. **₹471 from ₹696.32**

d. **₹820.50 from ₹931.68**

4. Multiply :

Ans. a. **₹3.95 × 6**

```
  5 3
 3.95
 × 6
23.70
```

₹3.95 × 6 = ₹23.70

b. **₹12.26 × 8**

```
   4
 12.26
 × 8
98.08
```

₹12.26 × 8 = ₹98.08

c. **₹32.47 × 9**

```
 32.47
 × 9
292.23
```

₹32.47 × 9 = ₹292.23

d. **₹60.15 × 7**

```
 60.15
 × 7
421.05
```

₹60.15 × 7 = ₹421.05

5. Divide :

Ans. a. **₹45.75 ÷ 3**

```
3) 45.75 (15.25
 – 3
   15
 – 15
    07
   – 6
     15
    – 15
      0
```

So, ₹45.75 ÷ 3 = ₹15.25

b. **₹25.50 ÷ 5**

```
5) 25.50 (5.10
 – 25
     05
    – 5
      0
```

So, ₹25.50 ÷ 5 = ₹5.10

c. **₹81.63 ÷ 9**

5) 25.50 (5.10
− 25
05
− 5
0

So, ₹81.63 ÷ 9 = ₹9.07

d. **₹48.32 ÷ 8**

5) 25.50 (5.10
− 25
05
− 5
0

So, ₹48.32 ÷ 8 = ₹6.04

6. a. ii b. iii

7.

Cost of pastry	=	₹35
Cost of 2 burgers	=	₹28.75 × 2
	=	₹57.50
Cost of bottle of mango juice	=	₹50.50
Amount of money Radhika had	=	₹250
Change she should get back	=	₹250 – (35 + 57.50 + 50.50)
	=	₹250 – ₹143
	=	₹107

11
35 . 00
57 . 50
+ 50 . 50
243 00

250
− 143
107

8.

Cost of 1 cup of hot coffee	=	₹12.50
Cost of 2 club sandwiches	=	₹30.25 × 2
	=	₹60.50
Cost of 1 plate French fruits	=	₹25.00
Cost of 1 cold coffee	=	₹18.50
Cost of 3 coleslaw	=	3 × ₹32.25
	=	₹96.75
Total amount they paid together	=	₹12.50 + ₹60.50 + ₹25 + ₹18.50 + ₹96.75
	=	₹213.25

Chapter-13
Time
Exercise-13.1

1. Write the time shown on each clock :

Ans. a. 3 : 00 b. 2 : 30 c. 7 : 15 d. 10 : 45
e. 11 : 38 f. 8 : 20 g. 1 : 40 h. 9 : 05

2. Draw both hands on the clocks shown below according to the time given in the boxes.

Ans. a.  b.  c. 

d. 

e. 

f. 

g. 

h. 

i. 

j. 

k. 

l. 

m. 

n. 

o. 

p. 

q. 

r. 

s. 

t. 

u. 

Exercise-13.2

1. Write the time :

Ans. a. 8 : 25
25 minutes past 8

b. 2 : 55
55 minutes to 3

c. 6 : 15
Ovarter past 6

d. 3 : 25
25 minutes past 8

e. 5 : 50
50 minutes past 5

f. 7 : 10
10 minutes past 7

2. Draw the hands to indicate the time and also write the time in clouds :

Ans. a. 
9 : 40

b. 
7 : 45

c. 
3 : 50

d. 

11 : 05

e. 

8 : 15

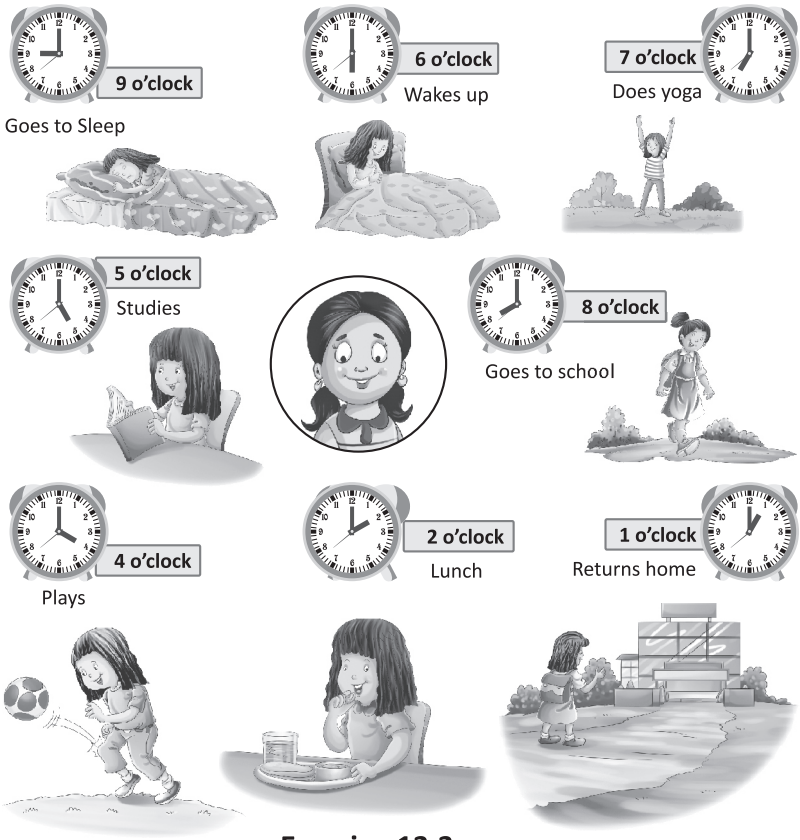
f. 

5 : 25

NCERT Corner

- **A Day in the life of Riya.**
- **Match the activity with the statement shown in the picture. Write the time, and draw the minute hand and the hour hand wherever it is required.**

Ans.



Exercise-13.3

1. Write the following time using a.m. or p.m.

Ans.

a. 4:30 am	b. 3:00 am	c. 8:30 am	d. 9:30 pm
e. 11:45 pm	f. 11:15 am	g. 6:30 pm	h. 7:15 pm
i. 6:15 am	j. 9:45 pm	k. 1:00 pm	l. 1:40 pm
m. 10:50 am	n. 2:01 pm	o. 12:45 am	

2. Encircle the correct time for each :

Ans. a. 6:00 a.m. b. 8 a.m. c. 5:45 a.m.
d. 5:00 p.m. e. 5:00 p.m. f. 9:30 p.m.
g. 4:00 p.m. h. 9:00 p.m. i. 10:00 a.m.

Exercise-13.4

1. Convert into minutes :

Ans. a. **9 hours**

1 hour = 60 minutes
9 hours = 60 × 9
= 540 minutes

b. **7 hours**

1 hour = 60 minutes
7 hours = 7 × 60 min
= 420 minutes

c. **16 hours**

1 hour = 60 minutes
16 hours = 16 × 60 min
= 960 minutes

d. **2 hours 45 minutes**

1 hour = 60 minutes
2 hours 45 min = (2 × 60) + 45 min
= 120 min + 45 min
= 165 minutes

e. **10 hours 15 minutes**

1 hour = 60 minutes
10 hours = 10 × 6 min
= 600 minutes
10 hours 15 minutes = 600 min + 15 min
= 615 min

f. **13 hours 25 minutes**

1 hour = 60 minutes
13 hours = 13 × 60 min
= 780 minutes
13 hours 25 minutes = 780 min + 25 min
= 805 min

g. $4\frac{1}{2}$ **hours** = **(4 × 2) + 1** = $\frac{9}{2}$ **hours**

1 hour = 60 min,

9 hour = $60 \times \frac{9}{2}$ min

= $\frac{540}{2}$ min

= 270 min

h. **6 hours 50 minutes**

1 hour = 60 minutes
6 hours = 60 × 6

= 360 minutes

6 hours 50 minutes = 60 min + 50 min

= 410 min

i. **117 hours**

1 hour = 60 minutes

117 hours = 117 × 60

= 7020 minutes

2. Time taken by Ajit = 245 min

= 4 hours 5 minutes

Time taken by Somya = 3 hours 15 minutes

As time taken by Somya is lesser than Ajit.

So, Somya travelled faster.

3. Time spent by mother = 1 h 20 min

= 60 min + 20 min

= 80 min

Exercise-13.5

1. Circle the following public holidays with a red pen. Also, write the day on which these days fall in this particular year :

Ans. Do it yourself.

2. Look at the calendar given on the previous page and answer the following questions :

Ans. a. First Sunday in the month of January is on **4**.

b. There are **4** Sundays in the month of September.

c. August month has **5** Mondays.

d. Last Sunday in the month of December is on **27** .

e. Nisha has holidays from 15th October to 17th October. She has holidays for **3** days. Her school starts on **17th Oct.** which is a **Saturday**.

Exercise-13.6

1. Convert the following into days :

Ans. a. **9 months and 2 weeks**

1 month = 30 days

9 months = 30 × 9 days

= 270 days

1 week = 7 days

2 week = 7 × 2

= 14 days

9 months 2 weeks = 270 days + 14 days

= 284 days

b. **June + 3 weeks + 30 days**

June has 30 days.

1 week = 7 days

3 weeks = 3 × 7
= 21 days
30 days + 21 days + 30 days = 81 days

c. **April + 9 days**
April has 30 days.
30 days + 9 days = 39 days

d. **February + March + October**
February has 28 days,
March has 31 days.
October has 31 days
(28 + 31 + 31) days = 90 days

e. **3 weeks + 4 days**
1 week = 7 days,
3 weeks = 3 × 7
= 21 days
3 weeks + 4 days = 21 days + 4 days
= 5 days

f. **2 weeks + 3 weeks**
5 weeks since 1 week = 7 days
5 weeks = 5 × 7
= 35 days

g. **3 months and a half month**
1 month = 30 days
3 months = 3 × 30
= 90 days
Half month = $\frac{30}{7}$ = 15 days
So, 90 days + 15 days = 105 days

2. Convert the following into hours :

Ans. a. **2 days**
1 day = 24 hours
2 days = 2 × 24 hours
= 48 hours
= 168 hours

b. **1 week**
1 week = 7 days
1 day = 24 hr
7 days = 24 × 7

c. **2 days + 2 hours**
Since 1 day = 24 hours
2 days = 2 × 24 hours
= 48 hours
= 48 hours + 2 hours
= 50 hours

d. **5 days**
1 day = 24 hours
5 days = 5 × 24
= 120 hours

3. Convert the following as directed :

Ans. a. **5 hours into minutes**
1 hour = 69 min
5 hours = 5 0215 60 min
= 300 min

b. **8 hours 48 min into minutes**

1 hour = 160 min
8 hours = 60 × 8
= 48 min
8 hours 48 min = 48 min + 48 min
= 528 min

c. **4 minutes 24 seconds into seconds**

1 min = 60 second
4 minutes = 4 × 60
= 240 seconds
4 min 24 second = 240 sec + 24 sec
= 264 second

d. **7 hours 41 minutes into minutes**

= (7 × 60) min + 4 minutes
= 420 min + 41 min
= 461 min

e. **4 days 7 hours into hours**

Since 1 day = 24 hours
4 days = 4 × 24 = 96 hours
4 days 7 hours = 96 hours + 7 hours
= 103 hours

f. **7 weeks 5 days into days**

1 week = 7 days,
7 weeks = 7 × 7
= 49 days
7 weeks 5 days = 49 days + 5 days
= 54 days

g. **1 year 8 months into months**

1 year = 12 months
1 year 8 months = 12 months + 8 months
= 20 months

h. **5 weeks 7 days into hours**

1 day = 24 hours,
7 days = 24 × 7
= 168 hours
5 weeks ⇒ 1 week = 7 days
= 7 × 24 × 5
= 35 × 24
= 840 hours
5 weeks 7 days = 168 hours + 840 hours
= 1008 hours

i. **3 weeks 3 days into hours**

1 day	=	24 hours,
3 days	=	24 × 3
	=	72 hours
3 week	=	21 days,
1 day	=	24 hours
3 weeks	=	21 × 24
	=	504 hours
3 weeks 3 days	=	504 + 72
	=	576 hours

j. **14 days 7 hours into hours**

1 day	=	24 hours
14 days	=	24 × 4
	=	336 hours
So, 11 days	=	7 hours
	=	336 hours + 7 hours
	=	343 hours

k. **10 weeks into hours**

Since 1 week	=	7 days
1 day	=	24 hours
So, 10 weeks	=	7 × 10 × 24 hours
	=	70 × 24
	=	1680 hours

l. **2 weeks 5 days into hours**

1 week	=	7 days
2 week	=	7 × 2
	=	14 days
1 day	=	24 hours
14 day	=	24 × 14
	=	336 hours
1 day	=	24 hours
5 day	=	5 × 24
	=	120 hours
2 weeks 5 days	=	336 hours + 120 hours
	=	456 hours

m. **4 years 7 months into months**

1 year	=	12 months
4 year	=	(4 × 12) months
	=	48 months
4 years 7 months	=	48 months + 7 months
	=	55 months

n. **3 years 100 days into days**

1 year = 365 days
3 years = 365 × 3
= 1095 days
3 years 100 days = 1095 days + 100 days
= 1195 days

o. **7 years 45 days into days**

1 year = 365 days
7 years = 365 × 7
= 2555 days
7 years 45 days = 2555 + 54
= 2600

Exercise-13.7

1. Add :

Ans. a.

min
23
+ 23
45

b.

min
24
+ 29
53

c.

min
30
+ 26
58

d.

min
1
28
+ 18
46

e.

min
1
27
+ 24
51

f.

min
40
+ 14
54

g.

min
09
+ 21
30

h.

min
1
07
+ 48
55

i.

hrs	min
6	34
+ 3	17
9	51

j.

hrs	min
09	28
+ 10	25
19	53

k.

hrs	min
7	24
+ 10	31
17	55

l.

hrs	min
10	15
+ 15	34
25	49

m.

hrs	min	sec
15	16	20
+ 06	18	16
21	34	36

n.

hrs	min	sec
8	15	36
+ 9	28	14
17	43	50

2. Subtract :

Ans. a.

min
3 10
40
− 25
15

b.

min
3 17
47
− 29
18

c.

min
1 18
28
− 09
19

d.

min
4 11
51
− 16
35

e.

hrs	min
25	34
− 08	19
17	15

f.

hrs	min
20	41
− 06	09
14	72

g.

hrs	min
14	27
− 13	20
01	07

h.

hrs	min
24	45
− 21	29
03	16

i.

hrs	min	sec
25	38	41
– 06	09	18
19	29	23

j.

hrs	min	sec
41	42	51
– 06	38	29
35	04	22

Exercise-13.8

Ans. 1. Days left in January = 31 – 14
= 17
Days in February = 16
Total no. of days in which Ankita is on leave = 17 + 16
= 33

2. Number of days left in February in which she is on leave = 28 – 17
= 11
Number of days in March in which she is on leave = 16
Last day of her leave = 16th March in which she is on leave.

3. Days in January = 28 – 5
= 23
Days in February in which she is on leave = 28
Days in March in which she on leave = 9
Total number of days she was on leave = 24 + 28 + 9
= 61

4. Days left in February = 28 – 5 = 23
Days left in March = 31
Days left in April = 30
Days left in May = 31
Days left in June = 30
Days left in July = 17
Total number of days = 23 + 31 + 30 + 31 + 30 + 17
= 162
So, there are 162 days from 6th February to 17th July.

5. No. of days she stayed in month of May = 31 – 1
= 30
No. of days she stayed in month of June = 3
So, she stayed (30 + 4) = 44 days in Delhi.

6. No. of days Nirmal worked in month of March = 31 – 7
= 24
Remaining days = 16
So, Nirmal left the office in 17th March.

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. b. 2. b. 3. b. 4. a.

MENTAL MATHS

Ans. Do it yourself.

TEST EXERCISE

1. Write the time.

Ans.

2. Draw hands of the clock.

Ans.

3. How are the two clock same? How are they different?

Ans.

4. Write a.m. or p.m.

Ans. a. 4:55 b. 8:14

5. Complete the table.

Ans.

Minute hand on	3	5	6	7	9	11
Minute hand on	15	25	30	35	45	55

6. Fill in the blanks :

Ans. a. 28/29 days b. 31 days
c. 5 minutes past 6 d. 8:30 a.m

7. Write the number of days in the following months.

Ans. a. January – 31 b. December – 31
c. September – 30 d. June – 30

8. February

MENTAL MATHS

- **Look at the finishing times for the monkeys and answer the questions given below the picture.**

Ans. 1. Balu 2. Bokoo 3. 35 minutes
4. 45 minutes 5. Biju 6. No

Chapter-14
Data Handling
Exercise-14.1

1. The following pictograph shows the number of pencils with different students. Read the pictograph and answer the questions that follow :

Ans. a. Vikas b. Rohit c. 20 d. Rashi

2. The following pictograph shows the number of students in different sections of class-III. Read the pictograph and answer the following questions :

Ans. a. How many students are there in :

III A	**25**	III B	**20**
III C	**30**	III D	**25**

3. The following pictograph represent the number of animals in a forest. If one picture stands for 10 animals then answer the questions given below :

Ans. a. Rhinoceroses, 20 b. Fones, 60
c. 30 d. 30 e. 10

4. In a fruit market the following fruits were sold on a day. Each fruit stands for 100 fruits :
Now, answer the following questions :

Ans. a. Apple 200, Mango 300, Orange 100, Guava 400
b. Orange c. Strawberry d. 1500

Exercise-14.2

1. The number of eatables in a canteen is shown as a tally mark chart below. Make a frequency table for the data.

Ans.

Eatables	Tally Marks	Frequency
Samosas	𝍸 𝍸 𝍸 |	16
Chips packets	𝍸 𝍸 ||	12
Biscuits	𝍸 𝍸	10
Popcorn	𝍸 𝍸 ||	12

2. A shopkeeper makes a chart of the bottle of cold drinks he sells. Whenever he shells any particular drink he puts a vertical bar against the name of the cold drink.
Record made by shopkeeper is given below :

Ans.

Cold drinks	Tally Marks	Frequency
Limca	𝍸 𝍸 𝍸 |	16
Coke	𝍸 𝍸 ||	12
Pepsi	𝍸 𝍸 |||	13
Mirinda	𝍸 𝍸 𝍸 ||	17
Maaza	𝍸 𝍸 𝍸 ||||	18
Thums up	𝍸 𝍸 |	11

3. Amit wants to cross the road, but he can't as there is so much traffic on the road. So, he decided to count the number of different modes of

transport used by people. Complete the table and answer the following questions :

Ans.

Cold drinks	Tally Marks	Frequency
Bikes	𝍸	5
Cars	𝍸	5
Auto-rickshaw	||	2
Scooters	||||	4
Rickshaws	—	0
Buses	|	1

a. Bikes, cars 2. Rickshaws

4. Jaya asked her friends about their favourite colours. She got the following answers :

Now, complete the following table by putting tally marks for the choices given in the information. Also answer the questions that follow :

Ans.

Cold drinks	Tally Marks	Frequency
Red	||||	4
Green	𝍸 ||	7
Blue	||||	4
Yellow	𝍸	5

a. 4 friends like the colour red
b. 4 friends like the colour blue
c. Most friends liked green colour
d. Yellow

MULTIPLE CHOICE QUESTIONS

- **Tick (✔) the correct choice.**

Ans. 1. c. 2. b. 3. a.

NCERT Corner

- **Look at the information given in the tables below. What should the symbols represent?**

Ans. 5

TEST EXERCISE

1. Read the paragraph given below and use tally marks to count the number of times each vowel appears.

Ans.

Vowel	Tally Marks	Number
A	𝍸 ||	7
E	𝍸 𝍸 𝍸 𝍸 𝍸	25

I	𝍸 𝍸 ||	11
O	𝍸 𝍸 𝍸 ||||	100
U	𝍸 ||	7

2. There are the favourite story books of children in the school library. Represent this information in the form of a pictograph.

Ans.

Story books	1 ☺ represents 3 looks
Richie Rich	☺ ☺ ☺
Harry Potter	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺
Jungle Book	☺ ☺ ☺ ☺ ☺ ☺

Chapter-15

Reasoning : Verbal & Non-Verbal and Logical

Exercise-15.1

Direction (Qs. 1-5)

- **Find the next letter in the series and put in place of '?'.**

Ans. 1. b. 2. d. 3. b. 4. b. 5. c.

Direction (Qs. 6-10)

- **Find the next pair of letters in the series and put in place of '?'.**

Ans. 6. b. 7. b. 8. c. 9. d. 10. d.

Direction (Qs. 11-13)

- **Find out the number that continues each sequence in the most sensible way and put in place of '?'.**

Ans. 11. b. 12. b. 13. c.

Exercise-15.2

- **Set up the missing number in each of the following :**

Ans. 1. $10\frac{10}{20}$ 2. $9\frac{27}{3}$ 3. 10 **4** 6 4. $\frac{8,80}{800}$

5. 400 **900** 500 6. 

7. 

Exercise-15.3

Direction (Qs. 1-15)

- **In the following questions, the letter/digits are linked in some way. Identify the relation and complete the last box by writing the letter/digit in place of '?'.**

Ans. 1. a. 2. c. 3. d. 4. a. 5. c.
6. b. 7. c. 8. c. 9. a. 10. b.
11. c. 12. d. 13. b. 14. a. 15. b.

Direction (Qs. 16-22)

- **In the following questions, the two words in the first pair are related. Identify the word that completes the second pair in proper way and fill in the box in place of '?'.**

Ans. 16. a. 17. c. 18. b. 19. c.
20. a. 21. a. 22. c.

Exercise-15.4

Direction (Qs. 1-7)

- **Complete the boxes and identify the number in place of the question mark? In the box. (Note : For Subtraction only smaller number can be subtracted from the larger.)**

Ans. 1. b. 2. b. 3. a. 4. a.
5. c. 6. d. 7. d.

Exercise-15.5

Ans. 1. c. 2. d. 3. d. 4. d.
5. b. 6. d. 7. c. 8. c.
9. c. 10. d. 11. d. 12. d.

Exercise-15.6

Numbers

A. Encircle the odd one out.

Ans. 1. 441 2. 210 3. 154 4. 343 5. 850
6. 242 7. 505 8. 447 9. 516 10. 445

Abstract Figures

B. Cross out the odd one.

Ans. 1. d. 2. e. 3. a. 4. c.
5. b. 6. c. 7. c. 8. b.

Exercise-15.7

A. Choose the correct answer figure for each :

Ans. 1. b. 2. c. 3. b. 4. c.
5. d. 6. a. 7. d. 8. d.

Increasing Patterns

B. Tick (✔) from the answer figures which comes out :

Ans. 1. b. 2. c. 3. a. 4. a.
5. c. 6. c. 7. c. 8. b.

Decreasing Patterns

C. Tick (✔) from the answer figures that comes next :

Ans. 1. c. 2. d. 3. d. 4. b.
5. c. 6. b. 7. c. 8. b.

Exercise-15.8

Ans. 1. Yes 2. No 3. No 4. No 5. Yes
6. Yes 7. Yes 8. Yes 9. Yes 10. No
11. No 12. No 13. Yes 14. Yes 15. Yes