



ONLY Maths

Added Feature
Verbal & Non-
Verbal and Logical
Reasoning

HELP-KIT

2

Author :

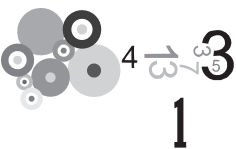
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Let's Revise

1.

1	(11)	21	31	(41)	51	(61)	(71)	81	(91)
(2)	12	(22)	(32)	42	(52)	62	(72)	(82)	92
3	(13)	23	(33)	(43)	53	(63)	(73)	(83)	93
(4)	(14)	(24)	34	(44)	(54)	64	(74)	84	(94)
5	15	(25)	35	(45)	(55)	(65)	(75)	(85)	(95)
(6)	(16)	26	(36)	46	(56)	66	(76)	86	96
(7)	(17)	(27)	(37)	(47)	57	67	(77)	87	(97)
8	(18)	28	(38)	(48)	58	(68)	(78)	88	(98)
(9)	19	29	(39)	49	(59)	69	(79)	(89)	99
(10)	20	(30)	40	(50)	60	70	(80)	90	(End)

2. (a) 1 one

(c) 10 ten

3. (a) $60 + 6 = 66$

(c) $50 + 3 = 53$

(e) $40 - 8 = 32$

(g) $5 \times 7 = 35$

(i) $9 \times 8 = 72$

Sixty six

Fifty three

Thirty two

Thirty five

Seventy two

(b) 9 nine

(d) 99 Ninety nine

(b) $10 + 4 = 14$

(d) $70 - 7 = 63$

(f) $90 - 2 = 88$

(h) $4 \times 6 = 24$

Fourteen

Sixty three

Eighty eight

Twenty four

4. (a)

15	18
S	B

(b)

71	8
B	S

(c)

67	39
B	S

(d)

99	9
B	S

(e)

6	66
S	B

5. (a) $\boxed{8}$

(b) $\boxed{4}$

(c) $\boxed{9}$

(d) $\boxed{15}$

Increasing order

$4 > 8 > 9 > 15$

6. 10, 9, 20, 8, 4

Decreasing order

$20 < 10 < 9 < 8 < 4$

7. (a) 28, ~~8~~, (47), 36

(c) ~~13~~, 33, 53, (73)

(b) ~~19~~, 35, (99), 21

(d) ~~8~~, 15, 25, (35)

8. Razia's role number is $12 + 1 = 13$

9.

Before	
83	84
32	33
66	67
8	9
51	52
97	98
75	76

Between		
9	10	11
33	34	35
17	18	19
41	42	43
97	98	99
22	23	24
65	66	67

After	
39	40
91	92
57	58
73	74
12	13
28	29
44	45

10. (a) Sixty-two → Sixty-two (b) Forty → Forty
 (c) Seventeen → Seventeen (d) Fourteen → Fourteen
 (e) Ninety-four → Ninety-four (f) Fifty → Fifty

11. (a) 55, 45, 35, 25, 15, 5
 (b) 169, 269, 369, 469, 569, 669, 769
 (c) 210, 215, 220, 225, 230, 235, 240

12. (a)
$$\begin{array}{r} 15 \\ + 28 \\ \hline 43 \end{array}$$
 (b)
$$\begin{array}{r} 56 \\ + 42 \\ \hline 98 \end{array}$$
 (c)
$$\begin{array}{r} 37 \\ + 14 \\ \hline 51 \end{array}$$
 (d)
$$\begin{array}{r} 74 \\ + 33 \\ \hline 107 \end{array}$$
- (e)
$$\begin{array}{r} 67 \\ + 19 \\ \hline 86 \end{array}$$
 (f)
$$\begin{array}{r} 82 \\ + 16 \\ \hline 98 \end{array}$$
 (g)
$$\begin{array}{r} 48 \\ + 56 \\ \hline 104 \end{array}$$
 (h)
$$\begin{array}{r} 23 \\ + 66 \\ \hline 89 \end{array}$$
- (i)
$$\begin{array}{r} 36 \\ + 41 \\ \hline 77 \end{array}$$
 (j)
$$\begin{array}{r} 21 \\ + 19 \\ \hline 40 \end{array}$$
 (k)
$$\begin{array}{r} 53 \\ + 50 \\ \hline 103 \end{array}$$
 (l)
$$\begin{array}{r} 87 \\ + 45 \\ \hline 132 \end{array}$$
- (m)
$$\begin{array}{r} 36 \\ + 25 \\ \hline 61 \end{array}$$
 (n)
$$\begin{array}{r} 15 \\ + 57 \\ \hline 72 \end{array}$$
 (o)
$$\begin{array}{r} 48 \\ + 32 \\ \hline 80 \end{array}$$
 (p)
$$\begin{array}{r} 52 \\ + 29 \\ \hline 81 \end{array}$$
- (q)
$$\begin{array}{r} 56 \\ + 65 \\ \hline 121 \end{array}$$
 (r)
$$\begin{array}{r} 75 \\ + 57 \\ \hline 132 \end{array}$$
 (s)
$$\begin{array}{r} 68 \\ + 32 \\ \hline 100 \end{array}$$
 (t)
$$\begin{array}{r} 87 \\ + 26 \\ \hline 113 \end{array}$$

(u)	①	(v)	①	(w)	①	(x)	①
	4 3		1 8		4 6		7 8
	3 6		2 3		3 7		6 3
	+ 5 7		+ 2 4		+ 2 1		+ 3 1
	<u>1 3 6</u>		<u>6 5</u>		<u>1 0 4</u>		<u>1 7 2</u>

13. (a)	5 6	(b)	9 8	(c)	8 0	(d)	4 8
	- 3 1		- 7 2		- 5 1		- 2 2
	<u>2 5</u>		<u>2 6</u>		<u>2 9</u>		<u>2 6</u>

(e)	4 1	(f)	6 5	(g)	7 9	(h)	6 0
	- 2 1		- 4 5		- 4 8		- 1 5
	<u>2 0</u>		<u>2 0</u>		<u>3 1</u>		<u>4 5</u>

(i)	9 0	(j)	7 7	(k)	8 3	(l)	6 3
	- 4 5		- 3 8		- 7 2		- 4 2
	<u>4 5</u>		<u>3 9</u>		<u>1 1</u>		<u>2 1</u>

(m)	4 8	(n)	5 8	(o)	9 8	(p)	5 7
	- 2 6		- 2 6		- 3 4		- 4 8
	<u>2 2</u>		<u>3 2</u>		<u>6 4</u>		<u>0 9</u>

(q)	5 6	(r)	8 6	(s)	6 8	(t)	9 5
	- 4 2		- 3 4		- 4 4		- 4 7
	<u>1 4</u>		<u>5 2</u>		<u>2 4</u>		<u>4 8</u>

(u)	9 0	(v)	8 0	(w)	7 8	(x)	8 5
	- 4 8		- 3 7		- 5 9		- 6 9
	<u>4 2</u>		<u>4 3</u>		<u>1 9</u>		<u>1 6</u>

14. (a)	3 1	(b)	①	(c)	5 0	(d)	2 5
	× 3		3 8		× 5		× 4
	<u>9 3</u>		× 2		<u>2 5 0</u>		<u>1 0 0</u>
			<u>7 6</u>				

(e)	1 8	(f)	2 4	(g)	7 5	(h)	1 9
	× 5		× 3		× 2		× 6
	<u>9 0</u>		<u>7 2</u>		<u>1 5 0</u>		<u>1 1 4</u>

15. (a)	32 ÷ 4 = 8	(b)	54 ÷ 9 = 6	(c)	24 ÷ 3 = 8	(d)	42 ÷ 6 = 7
	8		6		8		7
	4 <u>) 32</u>		9 <u>) 54</u>		3 <u>) 24</u>		6 <u>) 42</u>
	-32		-54		-24		-42
	<u>0</u>		<u>0</u>		<u>0</u>		<u>0</u>

(e) $60 \div 10 = 6$ (f) $48 \div 8 = 6$ (g) $49 \div 7 = 7$ (h) $70 \div 10 = 7$

$$\begin{array}{r} 6 \\ 10 \overline{)60} \\ -60 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \\ 8 \overline{)48} \\ -48 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 7 \\ 7 \overline{)49} \\ -49 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 7 \\ 10 \overline{)70} \\ -70 \\ \hline 0 \end{array}$$

16. (a) $55 + 45 = \boxed{45} + 55$

(b) $\boxed{33} + 28 = 28 + 33$

(c) $38 - 10 = 20 + \boxed{8}$

(d) $70 - 30 = 50 - \boxed{10}$

(e) $0 \times 12 = \boxed{0}$

(f) $64 \div 8 = \boxed{8}$

17. (a) $\boxed{22} \boxed{22}$
 $\boxed{\checkmark}$

(b) $\boxed{14} \boxed{16}$
 $\boxed{\times}$

(c) $\boxed{14} \boxed{14}$
 $\boxed{\checkmark}$

(d) $\boxed{61} \boxed{62}$
 $\boxed{\times}$

(e) $\boxed{35} \boxed{35}$
 $\boxed{\checkmark}$

(f) $\boxed{1} \boxed{0}$
 $\boxed{\times}$

(g) $\boxed{46} \boxed{46}$
 $\boxed{\checkmark}$

18. (a) Even numbers

$\textcircled{4}$ 11 $\textcircled{12}$ $\textcircled{18}$ $\textcircled{24}$ $\textcircled{36}$ $\textcircled{48}$ 65 77 $\textcircled{82}$

(b) Odd numbers

$\textcircled{1}$ 4 $\textcircled{7}$ $\textcircled{13}$ $\textcircled{25}$ 32 $\textcircled{43}$ 62 76 $\textcircled{95}$

19. (a) 12, 14, 16, $\textcircled{18}$, $\textcircled{20}$, $\textcircled{22}$, $\textcircled{24}$, $\textcircled{26}$, $\textcircled{28}$, $\textcircled{30}$

(b) 20, 23, 26, $\textcircled{29}$, $\textcircled{32}$, $\textcircled{35}$, $\textcircled{38}$, $\textcircled{41}$, $\textcircled{44}$, $\textcircled{47}$

(c) 30, 34, 38, $\textcircled{42}$, $\textcircled{46}$, $\textcircled{50}$, $\textcircled{54}$, $\textcircled{58}$, $\textcircled{62}$, $\textcircled{66}$

(d) 15, 20, 25, $\textcircled{30}$, $\textcircled{35}$, $\textcircled{40}$, $\textcircled{45}$, $\textcircled{50}$, $\textcircled{55}$, $\textcircled{60}$

(e) 90, 80, 70, $\textcircled{60}$, $\textcircled{50}$, $\textcircled{40}$, $\textcircled{30}$, $\textcircled{20}$, $\textcircled{10}$

20. (a) Rohan scored runs in Ist innings = 32

Rohan scored runs in IInd innings = $\underline{+66}$

Rohan scored runs in all = $\underline{98}$

(b) Flower seller have flowers = 96

Flower seller sold flowers = $\underline{-43}$

Flowers left = $\underline{53}$

(c) Total bikes = 79

Each bike has wheels = $\underline{\times 2}$

Total wheels = $\underline{158}$

(d) Total apple trees = 48

Rows = 6

Trees in each row = $48 \div 6 = 8$

$$\begin{array}{r} 8 \\ 6 \overline{)48} \\ -48 \\ \hline 0 \end{array}$$

- (e) Students in class I = 35
Students in class II = 42
Students in class III = + 51
Total students = 128
- (g) Books sold on Monday = 83
Books sold on Tuesday = 78
Books sold on Wednesday = + 67
Total books sold = 228
- (h) Kirti has pencils = 22
Kirti's brother has pencils = + 15
Total pencils = 37
- (i) Pragya has = 13 apples
Pragya gave = - 5 apples
Apples left = 8
- (j) Sweets in 1 box = 28
Boxes = × 4
Total sweets = 112
- (k) Total balls = 35
Girls = 7
Each girl get $35 \div 7 = 5$ balls

$$\begin{array}{r} 5 \\ 7 \overline{)35} \\ \underline{-35} \\ 0 \end{array}$$

21. (a)
$$\begin{array}{r} 15 \text{ Paise} \\ + 35 \text{ Paise} \\ \hline 50 \text{ Paise} \end{array}$$

(b)
$$\begin{array}{r} 26 \text{ Paise} \\ + 24 \text{ Paise} \\ \hline 50 \text{ Paise} \end{array}$$

(c)
$$\begin{array}{r} 65 \text{ Paise} \\ + 30 \text{ Paise} \\ \hline 95 \text{ Paise} \end{array}$$

(d)
$$\begin{array}{r} ₹ 22 \\ + ₹ 15 \\ \hline ₹ 37 \end{array}$$

(e)
$$\begin{array}{r} ₹ 75 \\ - ₹ 25 \\ \hline ₹ 50 \end{array}$$

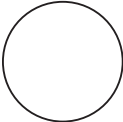
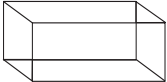
(f)
$$\begin{array}{r} ₹ 45 \\ - ₹ 5 \\ \hline ₹ 40 \end{array}$$

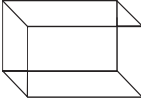
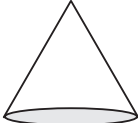
22. (a) ₹ 12
(12×100) paise
120 paise
- (c) 300 paise
₹ ($300 \div 100$)
₹ 3
- (e) 500 paise
₹ ($500 \div 100$)
₹ 5

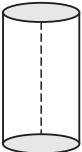
- (b) ₹ 50
(50×100) paise
5000 paise
- (d) 1500 paise
₹ ($1500 \div 100$)
₹ 15
- (f) 2000 paise
₹ ($2000 \div 100$)
₹ 20

23. (a) The place they visited one day before Raniket was **Bhimtal**.
 (b) The place they had visited between 30 May and 1 June was **Ranikhet**.
 (c) The day after their visit to Bhimtal was **31 May**.
 (d) They went to Jim Corbett Park after **1 June**.
24. (a) 5 O' clock (b) 6:30 (half past 6)
 (c) 3 O' clock or 3:00 (d) 7 O' clock (7:00)
 (e) 1:30 or half past 1
25. (a) There are **12** months in a year.
 (b) There are **7** days in a week.
 (c) March comes after **February**.
 (d) The last month of the year is **December**.
 (e) October is the **10th** month of the year.
 (f) Thursday comes before **Friday**.
 (g) September comes after **August**.
 (h) **July** comes after June.

26. (a)  **Triangle** (b)  **Rectangle**

- (c)  **Circle** (d)  **Cuboid**

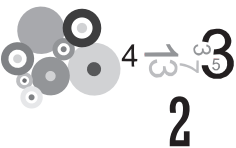
- (e)  **Cube** (f)  **Cone**

- (g)  **Cylinder** (h)  **Sphere**

27. 12 twelve
 1 one
 6 six
 8 eight
 5 five
 3 three

28. (a) 5, 15, 2, 13, 9
 $2 < 5 < 9 < 13 < 15$
 (c) 51, 49, 55, 43, 56
 $43 < 49 < 51 < 55 < 56$
29. (a) 3, 5, 15, 20
 $20 > 15 > 5 > 3$
 (c) 81, 79, 76, 93
 $93 > 81 > 79 > 76$
- (b) 16, 32, 25, 23, 19
 $16 < 19 < 23 < 25 < 32$
- (b) 51, 49, 63, 61
 $63 > 61 > 51 > 49$

○○○



2

Number System

Page-15

- (a) Ninety-three - 93
 (c) Forty-nine - 49
 (e) Sixty-eight - 68

(b) Eighty-seven - 87
 (d) Seventy-six - 76
 (f) Twenty-four - 24
- (a) 36-Thirty six
 (c) 91-Ninety one
 (e) 46-Forty six
 (g) 80-Eighty

(b) 47-Forty seven
 (d) 17-Seventeen
 (f) 69-Sixty nine
 (h) 42-Forty two
- (a) (8) 9 (10)
 (c) (23) 24 (25)
 (e) (11) 12 (13)

(b) (59) 60 (61)
 (d) (43) 44 (45)
 (f) (85) 86 (87)
- (a) 16 (17) 18
 (c) 29 (30) 31
 (e) 59 (60) 61

(b) 14 (15) 16
 (d) 82 (83) 84
 (f) 38 (39) 40
- 100, (99), (98), 97, (96), (95), (94), 93, (92), (91), (90),
 (89), 88, (87), (86), (85), (84), (83), (82), (81)
- (a) 97 (>) 79
 (c) 7 tens + 9 ones ○ 8 tens
 79 (<) 80
 (e) 45 (=) 45

(b) forty (>) fourteen
 (d) 36 (<) 47
 (f) 90 (>) 84
- (a) 40, 79, 32, 95
 $32 < 40 < 79 < 95$

(b) 35, 90, 66, 20
 $20 < 35 < 66 < 90$
- (a) 11, 4, 49, 67
 $67 > 49 > 11 > 4$

(b) 96, 76, 8, 0
 $96 > 76 > 8 > 0$

9. (a) 7 tens + 3 ones = $\boxed{73}$
 (c) $\boxed{8}$ tens + $\boxed{4}$ ones = 84
 (e) $\boxed{4}$ tens + 9 ones = 49

10. (a) $\underline{49} = 40$
 (c) $\underline{70} = 70$
 (e) $\underline{88} = 8$

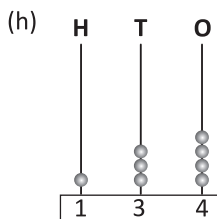
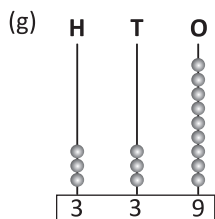
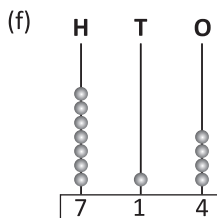
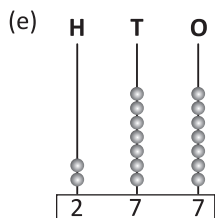
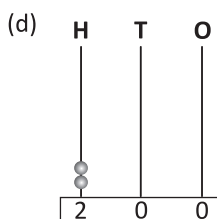
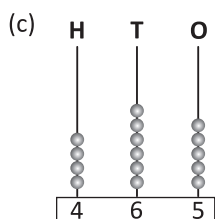
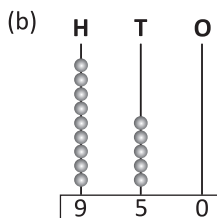
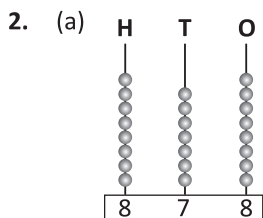
- (b) $\boxed{9}$ tens + 0 ones = 90
 (d) 5 tens + 3 ones = $\boxed{53}$
 (f) 9 tens + 7 ones = $\boxed{97}$

- (b) $\underline{81} = 1$
 (d) $\underline{29} = 9$
 (f) $\underline{19} = 10$

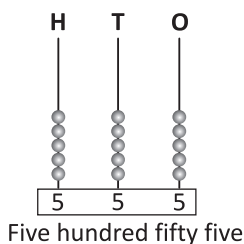
Page-18

1. (a) $\boxed{8}$ (b) $\boxed{14}$
 (e) $\boxed{248}$ (f) $\boxed{341}$
 (i) $\boxed{728}$ (j) $\boxed{576}$

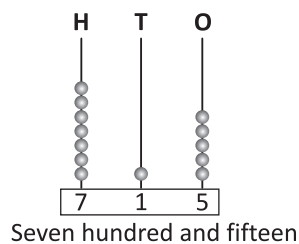
- (c) $\boxed{103}$ (d) $\boxed{119}$
 (g) $\boxed{430}$ (h) $\boxed{895}$
 (k) $\boxed{225}$



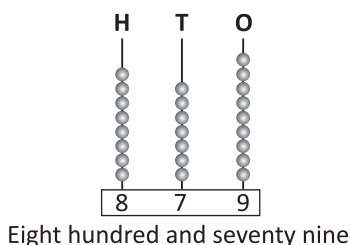
3. (a)



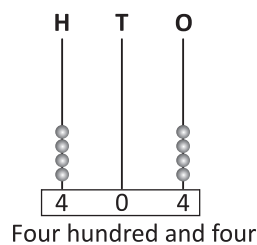
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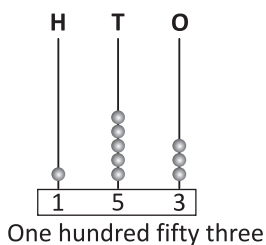
(c)



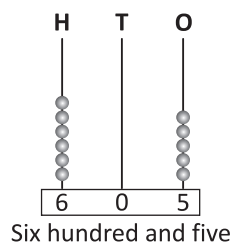
(d)



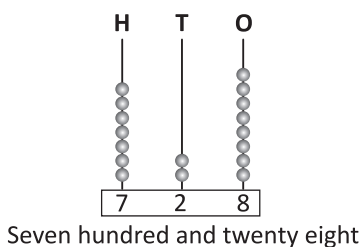
(e)



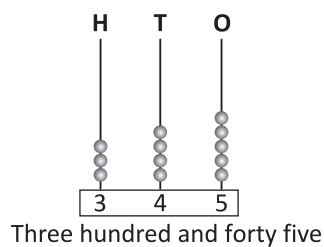
(f)



(g)



(h)



4. (a) Seven hundred seventy-seven 777

(a) Five hundred seventy-five 575

(c) Nine hundred eighty 980

(d) Six hundred thirty-eight 638

5. (a) 719 = Seven hundred and Nineteen

(b) 675 = Six hundred and seventy five

(c) 889 = Eight hundred and eighty nine

(d) 201 = Two hundred and one

(e) 897 = Eight hundred and ninety seven

(f) 333 = Three hundred and thirty three

(g) 780 = Seven hundred and eighty

Numbers 101 to 200

101	111	121	131	141	151	161	171	181	191
102	112	122	132	142	152	162	172	182	192
103	113	123	133	143	153	163	173	183	193
104	114	124	134	144	154	164	174	184	194
105	115	125	135	145	155	165	175	185	195
106	116	126	136	146	156	166	176	186	196
107	117	127	137	147	157	167	177	187	197
108	118	128	138	148	158	168	178	188	198
109	119	129	139	149	159	169	179	189	199
110	120	130	140	150	160	170	180	190	200

Numbers 201 to 400

a.

201	211	221	231	241	251	261	271	281	291
202	212	222	232	242	252	262	272	282	292
203	213	223	233	243	253	263	273	283	293
204	214	224	234	244	254	264	274	284	294
205	215	225	235	245	255	265	275	285	295
206	216	226	236	246	256	266	276	286	296
207	217	227	237	247	257	267	277	287	297
208	218	228	238	248	258	268	278	288	298
209	219	229	239	249	259	269	279	289	299
210	220	230	240	250	260	270	280	290	300

b.

301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400

Numbers 401 to 600

a.

401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500

b.

501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600

Numbers 601 to 800

a.

601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700

b.

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800

Numbers 801 to 1000

a.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

b.

901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

Mental Maths

Number	H	T	O	Number Name
115	1	1	5	One hundred fifteen
275	2	(7)	5	Two hundred seventy five
309	(3)	0	9	Three hundred nine
708	7	(0)	8	Seven hundred eight
951	9	(5)	1	Nine hundred fifty one
111	(1)	(1)	1	One hundred eleven

Page-27

- (a) (113) 114 (b) (150) 151 (c) (111) 112

(d) (165) 166 (e) (197) 198 (f) (199) 200
- (a) 127 (128) (b) 110 (111) (c) 189 (190)

(d) 101 (102) (e) 169 (170) (f) 154 (155)
- (a) 108 (109) 110 (b) 179 (180) 181 (c) 112 (113) 114

(d) 125 (126) 127 (e) 164 (165) 166 (f) 196 (197) 198
- (a) The number before 23 is **22**. (b) The number after 39 is **40**.

(c) The number before 70 is **69**. (d) The number after **42** is 43.

(e) The number before 61 is **60**. (f) 34 is between **33** and 35.

(g) 97 is between 96 and **98**. (h) **69** is between 68 and 70.

(i) **20** is between 19 and 21.
- 147, 129, 174, 135, 199, 125, 106, 118

106 < 118 < 125 < 129 < 135 < 147 < 174 < 199



6. (a) $607 = \textcircled{6} \text{ hundreds} + \textcircled{0} \text{ tens} + \textcircled{7} \text{ ones}$
 (a) $654 = \textcircled{6} \text{ hundreds} + \textcircled{5} \text{ tens} + \textcircled{4} \text{ ones}$
 (c) $809 = \textcircled{8} \text{ hundreds} + \textcircled{0} \text{ tens} + \textcircled{9} \text{ ones}$
 (d) $512 = \textcircled{5} \text{ hundreds} + \textcircled{1} \text{ tens} + \textcircled{2} \text{ ones}$
 (e) $967 = \textcircled{9} \text{ hundreds} + \textcircled{6} \text{ tens} + \textcircled{7} \text{ ones}$
 (f) $428 = \textcircled{4} \text{ hundreds} + \textcircled{2} \text{ tens} + \textcircled{8} \text{ ones}$
 (g) $583 = \textcircled{5} \text{ hundreds} + \textcircled{8} \text{ tens} + \textcircled{8} \text{ ones}$
 (h) $673 = \textcircled{6} \text{ hundreds} + \textcircled{7} \text{ tens} + \textcircled{3} \text{ ones}$
 (i) $496 = \textcircled{4} \text{ hundreds} + \textcircled{9} \text{ tens} + \textcircled{6} \text{ ones}$
 (j) $983 = \textcircled{9} \text{ hundreds} + \textcircled{8} \text{ tens} + \textcircled{3} \text{ ones}$
 (k) $786 = \textcircled{7} \text{ hundreds} + \textcircled{8} \text{ tens} + \textcircled{6} \text{ ones}$
 (l) $973 = \textcircled{9} \text{ hundreds} + \textcircled{7} \text{ tens} + \textcircled{3} \text{ ones}$
 (m) $708 = \textcircled{7} \text{ hundreds} + \textcircled{0} \text{ tens} + \textcircled{8} \text{ ones}$

7. (a) 7 hundreds + 0 tens + 9 ones = $\textcircled{790}$
 (b) 3 hundreds + 3 tens + 3 ones = $\textcircled{333}$
 (c) 8 hundreds + 0 tens + 9 ones = $\textcircled{809}$
 (d) 7 hundreds + 5 tens + 3 ones = $\textcircled{753}$
 (e) 2 hundreds + 7 tens + 0 ones = $\textcircled{270}$
 (e) 5 hundreds + 1 tens + 8 ones = $\textcircled{518}$

- | 8. Number | Place Value | Face Value |
|-----------------------|-------------|------------|
| (a) $\underline{4}13$ | 10 | 1 |
| (b) $\underline{7}07$ | 700 | 7 |
| (c) $\underline{3}49$ | 300 | 3 |
| (d) $\underline{2}11$ | 200 | 2 |
| (e) $\underline{8}79$ | 800 | 8 |
| (f) $\underline{3}48$ | 300 | 3 |
9. (a) The place value of 6 in 596 is 6 ones True
 (b) The face value of 4 in 465 is 40 False
 (c) The place value of 5 in 458 and 358 is same True
 (d) The place value of 3 is bigger in 643 than in 354 False
 (e) The place value and face value of 1 in 441 are same True
 (f) The face value of a digit in a number is the digit itself True

Page-30

1. (a) $\textcircled{139}$ $\textcircled{51}$ (b) $\textcircled{146}$ $\textcircled{165}$ (c) $\textcircled{134}$ $\textcircled{191}$
 2. (a) $\textcircled{190}$ $\textcircled{92}$ (b) $\textcircled{119}$ $\textcircled{109}$ (c) $\textcircled{118}$ $\textcircled{112}$

3. (a) 134 ☐ 100 ☒ 150 ☐ (b) 169 ☐ 117 ☒ 124 ☐
 (c) 120 ☒ 127 ☐ 140 ☐ (d) 111 ☐ 112 ☐ 110 ☒
 (e) 56 ☒ 156 ☐ 140 ☐ (f) 132 ☐ 23 ☒ 32 ☐
4. (a) 120, 90, 186 (b) 100, 200, 105
 (c) 109, 158, 107 (d) 136, 141, 150
 (e) 164, 168, 161 (f) 103, 100, 109

Page-31

1. (a) 172, 76, 71, 180 (b) 18, 196, 169, 96
 $71 < 76 < 172 < 180$ $18 < 96 < 169 < 196$
 (c) 141, 128, 31, 100 (d) 65, 145, 175, 165
 $31 < 100 < 128 < 141$ $65 < 145 < 165 < 175$
 (e) 119, 102, 105, 100 (f) 86, 186, 168, 108
 $100 < 102 < 105 < 119$ $86 < 108 < 168 < 186$
2. (a) 144, 18, 74, 80 (b) 120, 134, 131, 138
 $144 > 80 > 74 > 18$ $138 > 134 > 131 > 120$
 (c) 64, 135, 200, 154 (d) 188, 179, 197, 117
 $200 > 154 > 135 > 64$ $197 > 188 > 179 > 117$
 (e) 75, 102, 120, 101 (f) 200, 199, 119, 109
 $120 > 102 > 101 > 75$ $200 > 199 > 119 > 109$

Mental Maths

Who scored the highest runs?

Sohail ☐ Mohit ☒ Aman ☐

Who scored least runs ?

Arijit ☐ Karan ☐ Vicky ☒

Number these scores from lowest to highest

Karan 50 < Arnav 82 < Peter 92 < Aman 110 < Mohit 120

Ordinal Numbers

Anuj **first,**

Sanjeev **second,**

1. Mohit **fourth**

Prakhar **first**

Deepak **third,**

Arun **sixth,**

Shruti **second**

Jhanvi **fifth**

Vivek **fifth,**

Pankaj **fourth**

Rudra **third**

1. (a) 6 apples → even (b) 5 books → odd
 (c) 10 watches → even (d) 8 birds → even
 (e) 7 ice-creams → odd
2. (a) 108 even (b) 83 odd (c) 134 even (d) 60 even
 (e) 112 even (f) 35 odd (g) 129 odd (h) 70 even
 (i) 161 odd

3. (a) 102, 104, 106, 108, 110, 112, 114, 116
 (b) 150, 152, 154, 156, 158, 160, 162, 164
4. (a) 105, 107, 109, 111, 113, 115, 117, 119
 (b) 185, 187, 189, 191, 193, 195, 197, 199

MCQs

- The number name of 140 is **one hundred forty**
- Place value of 3 in 103 is **3**
- 1 hundred + 3 tens + 1 ones **131**
- One hundred sixty two greater than **126**
- The number for one hundred eighty **180**
- The face value of 3 in 232 is **30**
- The number just before 900 is **899**
- One hundred forty two is greater than **124**
- 64 is less than **one hundred**

Mental Maths

forty-two
 sixty-four
 eighteen

ninety-six
 thirty-seven
 fifty-one

seventy-five
 twenty-three

Test Exercise

1. (a)

H	T	O
6	1	0

 (b) $116 = \textcircled{1} \text{ hundreds} + \textcircled{1} \text{ tens} + \textcircled{6} \text{ ones}$
- (c) $100 + 20 = \textcircled{120}$ (d) one hundred ninety = $\textcircled{190}$
2. Place value of 2 in 129 = 20
3. 156, 157, 158, 159, 160, 161
4. (a) 143, 187, 168
 $143 < 168 < 187$ Increasing order
 $187 > 168 > 143$ Decreasing order
- (b) 167, 128, 60
 $60 < 128 < 167$ Increasing order
 $167 > 128 > 60$ Decreasing order
5. odd $\textcircled{1}$ $\textcircled{3}$ $\textcircled{5}$ $\textcircled{7}$ $\textcircled{9}$
 even $\textcircled{2}$ $\textcircled{4}$ $\textcircled{6}$ $\textcircled{8}$ $\textcircled{10}$
6.

1	2	3	4	5	6	7	8	9	10
W	A	T	E	R	M	E	L	O	N

○○○

Page-37

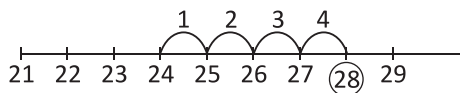
- | | | | |
|--|---|---|--|
| 1. (a) $\begin{array}{r} 1 \\ + 5 \\ \hline 6 \end{array}$ | (b) $\begin{array}{r} 7 \\ + 2 \\ \hline 9 \end{array}$ | (c) $\begin{array}{r} 6 \\ + 3 \\ \hline 9 \end{array}$ | (d) $\begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array}$ |
| (e) $\begin{array}{r} 4 \\ + 3 \\ \hline 7 \end{array}$ | (f) $\begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array}$ | (g) $\begin{array}{r} 1 \\ + 8 \\ \hline 9 \end{array}$ | (h) $\begin{array}{r} 7 \\ + 1 \\ \hline 8 \end{array}$ |
| (i) $\begin{array}{r} 5 \\ + 2 \\ \hline 7 \end{array}$ | (j) $\begin{array}{r} 5 \\ + 1 \\ \hline 6 \end{array}$ | (k) $\begin{array}{r} 7 \\ + 0 \\ \hline 7 \end{array}$ | (l) $\begin{array}{r} 2 \\ + 3 \\ \hline 5 \end{array}$ |
| (m) $\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$ | (n) $\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$ | (o) $\begin{array}{r} 1 \\ + 3 \\ \hline 4 \end{array}$ | (p) $\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$ |
| (q) $\begin{array}{r} 6 \\ + 1 \\ \hline 7 \end{array}$ | (r) $\begin{array}{r} 2 \\ + 6 \\ \hline 8 \end{array}$ | (s) $\begin{array}{r} 5 \\ + 4 \\ \hline 9 \end{array}$ | (t) $\begin{array}{r} 4 \\ + 6 \\ \hline 10 \end{array}$ |



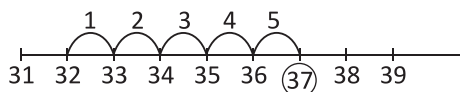
Exercise- 3.1

- | | | | |
|---------------|---------------|---------------|---------------|
| (a) $6+2=(8)$ | (b) $3+2=(5)$ | (c) $1+2=(3)$ | (d) $3+5=(8)$ |
| (e) $2+2=(4)$ | (f) $5+2=(7)$ | (g) $7+1=(8)$ | (h) $7+2=(9)$ |
| (i) $6+3=(9)$ | (j) $1+4=(5)$ | (k) $2+6=(8)$ | (l) $4+5=(9)$ |
| (m) $4+2=(6)$ | (n) $8+1=(9)$ | (o) $5+1=(6)$ | (p) $1+6=(7)$ |
- | | |
|---------------------|-----------------------|
| (a) $17+8=(8)+17$ | (b) $31+0=(31)$ |
| (c) $19+1=(20)$ | (d) $28+78=28+(78)$ |
| (e) $55+(0)=55$ | (f) $67+(1)=68$ |
| (g) $99+1=(100)$ | (h) $67+(13)=13+(67)$ |
| (i) $15+0=(15)$ | (j) $27+1=(28)$ |
| (k) $0+(7)=7$ | (l) $64+22=(22)+64$ |
| (m) $23+16=16+(23)$ | (n) $(0)+16=16$ |
| (o) $80+(1)=81$ | (p) $56+(23)=23+56$ |

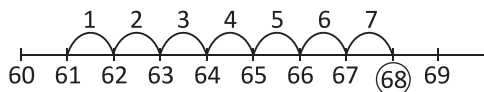
3. (a) $24 + 4 = \textcircled{28}$



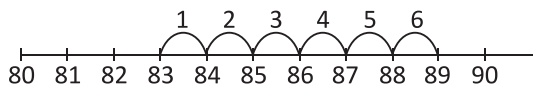
(b) $32 + 5 = \textcircled{37}$



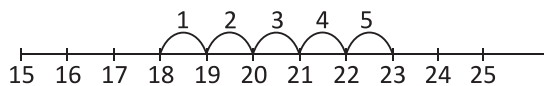
(c) $61 + 7 = \textcircled{68}$



(d) $83 + 6 = \textcircled{89}$



(e) $18 + 5 = \textcircled{23}$



Page-41

(a) $1 + 5 + 0 = \textcircled{6}$

Diagram: 1 and 5 are in boxes. Arrows point from both boxes to a box containing 6. Below this, $6 + \textcircled{0} = \textcircled{6}$ is shown.

(b)

3 1	$\rightarrow$	4	4 0	$\rightarrow$	4				
$+$	2	$\rightarrow$	$+$	2	$+$	3	$\rightarrow$	$+$	3
	6			7					

(c) $3 + 0 + 4 = \textcircled{7}$

Diagram: 3 and 0 are in boxes. Arrows point from both boxes to a box containing 3. Below this, $3 + \textcircled{4} = \textcircled{7}$ is shown.

(d)

4 1	$\rightarrow$	5	2 2	$\rightarrow$	4				
$+$	1	$\rightarrow$	$+$	1	$+$	3	$\rightarrow$	$+$	3
	6			7					

(e) $1 + 2 + 5 = 8$

Diagram showing 1 and 2 combining to 3, then 3 + 5 = 8.

(f) $3 + 4 = 7$ and $1 + 3 = 4$

Diagram showing two separate addition problems: 3 + 4 = 7 and 1 + 3 = 4.

Page-42

(a) $\begin{array}{r} \text{T O} \\ 53 \\ + 26 \\ \hline 79 \end{array}$

(b) $\begin{array}{r} \text{T O} \\ 62 \\ + 17 \\ \hline 79 \end{array}$

(c) $\begin{array}{r} \text{T O} \\ 44 \\ + 52 \\ \hline 96 \end{array}$

(d) $\begin{array}{r} \text{T O} \\ 55 \\ + 24 \\ \hline 79 \end{array}$

(e) $\begin{array}{r} \text{T O} \\ 33 \\ + 22 \\ \hline 55 \end{array}$

(f) $\begin{array}{r} \text{T O} \\ 43 \\ + 34 \\ \hline 77 \end{array}$

(g) $\begin{array}{r} \text{T O} \\ 64 \\ + 24 \\ \hline 88 \end{array}$

(h) $\begin{array}{r} \text{T O} \\ 27 \\ + 52 \\ \hline 79 \end{array}$

(i) $\begin{array}{r} \text{T O} \\ 29 \\ + 20 \\ \hline 49 \end{array}$

(j) $\begin{array}{r} \text{T O} \\ 46 \\ + 33 \\ \hline 79 \end{array}$

(k) $\begin{array}{r} \text{T O} \\ 62 \\ + 32 \\ \hline 94 \end{array}$

(l) $\begin{array}{r} \text{T O} \\ 55 \\ + 32 \\ \hline 87 \end{array}$

(m) $\begin{array}{r} \text{T O} \\ 66 \\ + 21 \\ \hline 87 \end{array}$

(n) $\begin{array}{r} \text{T O} \\ 31 \\ + 55 \\ \hline 86 \end{array}$

(o) $\begin{array}{r} \text{T O} \\ 81 \\ + 18 \\ \hline 99 \end{array}$

(p) $\begin{array}{r} \text{T O} \\ 57 \\ + 21 \\ \hline 78 \end{array}$

(q) $\begin{array}{r} \text{T O} \\ 25 \\ + 41 \\ \hline 66 \end{array}$

(r) $\begin{array}{r} \text{T O} \\ 37 \\ + 42 \\ \hline 79 \end{array}$

(s) $\begin{array}{r} \text{T O} \\ 50 \\ + 47 \\ \hline 97 \end{array}$

(t) $\begin{array}{r} \text{T O} \\ 34 \\ + 53 \\ \hline 87 \end{array}$

Word Problems

A.

2. 12 cats are under table = 12
14 cats are on the table = $\begin{array}{r} + 14 \\ \hline 26 \end{array}$

There are $12 + 14 = 26$ cats in all

3. Ajay has 23 books = 23
Swati given him 13 more books = $\begin{array}{r} + 13 \\ \hline 36 \end{array}$

Now Ajay has $23 + 13 = 36$ books in all

4. 25 birds are on the branch = 25

$$\begin{array}{r} 13 \text{ birds are in the nest} \\ + 13 \\ \hline 38 \end{array}$$

There are $25 + 13 = 38$ birds in all

5. One pencil costs 7 rupees = 7

$$\begin{array}{r} \text{One pen costs 12 rupees} \\ + 12 \\ \hline 19 \end{array}$$

Total cost of both is $7 + 12 = 19$ rupees

6. Hari coloured 16 flowers = 16

$$\begin{array}{r} \text{Rana coloured 13 flowers} \\ + 13 \\ \hline 29 \end{array}$$

Together they coloured $16 + 13 = 29$ flowers

7. 27 apples are on the table = 27

$$\begin{array}{r} 11 \text{ apples are in the basket} \\ + 11 \\ \hline 38 \end{array}$$

Total apples are $27 + 11 = 38$

B.

2. 22 sleeping animals + 22 running animals = 44 animals

3. 12 striped animals + 14 spotted animals = 26 animals

4. 41 brown animals + 23 grey animals = 64 animals

C.

2. I had 20 balloons in my bag. My mother gave me 10 more balloons.
How many balloons do I have now?

$$20 + 10 = 30 \text{ balloons}$$

3. Rajesh has 17 toffees and Rakehs has 11 toffees. How many toffees do they have together?

$$17 + 11 = 28 \text{ toffees}$$

4. Mr. Rao has 6 sons and 5 daughters. How many children does Mr. Rao have?

$$6 + 5 = 11 \text{ children}$$

5. Rekha eats 12 biscuits in the morning had 15 biscuits in the evening.
How many biscuits does she eat in a day.

$$12 + 15 = 27 \text{ biscuits}$$

Page-46

(a)

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 67 \\ + 29 \\ \hline 96 \end{array}$$

(b)

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 45 \\ + 36 \\ \hline 81 \end{array}$$

(c)

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 61 \\ + 29 \\ \hline 90 \end{array}$$

(d)

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 44 \\ + 18 \\ \hline 62 \end{array}$$

(e)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 2 \ 4 \\ + 3 \ 8 \\ \hline 6 \ 2 \end{array}$$

(f)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 7 \ 8 \\ + 2 \ 9 \\ \hline 1 \ 0 \ 7 \end{array}$$

(g)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 3 \ 5 \\ + 4 \ 6 \\ \hline 8 \ 1 \end{array}$$

(h)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 1 \ 8 \\ + 2 \ 9 \\ \hline 4 \ 7 \end{array}$$

(i)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 3 \ 1 \\ + 3 \ 9 \\ \hline 7 \ 0 \end{array}$$

(j)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 4 \ 3 \\ + 1 \ 8 \\ \hline 6 \ 1 \end{array}$$

(k)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 1 \ 6 \\ + 2 \ 8 \\ \hline 4 \ 4 \end{array}$$

(l)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 5 \ 7 \\ + 3 \ 5 \\ \hline 9 \ 2 \end{array}$$

(m)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 5 \ 6 \\ + 3 \ 4 \\ \hline 9 \ 0 \end{array}$$

(n)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 4 \ 5 \\ + 1 \ 6 \\ \hline 6 \ 1 \end{array}$$

(o)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 3 \ 5 \\ + 1 \ 8 \\ \hline 5 \ 3 \end{array}$$

(p)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 4 \ 6 \\ + 2 \ 4 \\ \hline 7 \ 0 \end{array}$$

(q)
$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 1 \ 7 \\ 3 \ 5 \\ + 1 \ 8 \\ \hline 7 \ 0 \end{array}$$

(r)
$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 4 \ 5 \\ 1 \ 6 \\ + 1 \ 9 \\ \hline 8 \ 0 \end{array}$$

(s)
$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 1 \ 8 \\ 2 \ 4 \\ + 2 \ 9 \\ \hline 7 \ 1 \end{array}$$

(t)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 2 \ 5 \\ 3 \ 5 \\ + 4 \ 5 \\ \hline 1 \ 0 \ 5 \end{array}$$

(u)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 3 \ 2 \\ 1 \ 7 \\ + 2 \ 7 \\ \hline 7 \ 6 \end{array}$$

(v)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 1 \ 3 \\ 2 \ 7 \\ + 1 \ 0 \\ \hline 5 \ 0 \end{array}$$

(w)
$$\begin{array}{r} \text{T O} \\ 2 \ 2 \\ 2 \ 2 \\ + 2 \ 2 \\ \hline 6 \ 6 \end{array}$$

(x)
$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 1 \ 3 \\ 3 \ 5 \\ + 1 \ 6 \\ \hline 6 \ 4 \end{array}$$

Page-48

1. (a)
$$\begin{array}{r} \text{H T O} \\ 3 \ 4 \ 4 \\ + 5 \ 3 \ 4 \\ \hline 8 \ 7 \ 8 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ 5 \ 7 \ 5 \\ + 2 \ 2 \ 4 \\ \hline 7 \ 9 \ 9 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ 6 \ 1 \ 6 \\ + 1 \ 7 \ 3 \\ \hline 7 \ 8 \ 9 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ 2 \ 3 \ 7 \\ + 3 \ 6 \ 1 \\ \hline 5 \ 9 \ 8 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 7 \ 2 \ 1 \\ + 1 \ 5 \ 7 \\ \hline 8 \ 7 \ 8 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ 5 \ 4 \ 2 \\ + 3 \ 1 \ 2 \\ \hline 8 \ 5 \ 4 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ 8 \ 0 \ 5 \\ + 1 \ 0 \ 3 \\ \hline 9 \ 0 \ 8 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ 3 \ 3 \ 4 \\ + 4 \ 3 \ 3 \\ \hline 7 \ 6 \ 7 \end{array}$$



2. (a)
$$\begin{array}{r} \text{H T O} \\ 394 \\ + 503 \\ \hline 897 \end{array}$$
 (b)
$$\begin{array}{r} \text{H T O} \\ 243 \\ + 413 \\ \hline 656 \end{array}$$
 (c)
$$\begin{array}{r} \text{H T O} \\ 254 \\ + 615 \\ \hline 869 \end{array}$$
 (d)
$$\begin{array}{r} \text{H T O} \\ 373 \\ + 304 \\ \hline 677 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 745 \\ + 253 \\ \hline 998 \end{array}$$
 (f)
$$\begin{array}{r} \text{H T O} \\ 507 \\ + 371 \\ \hline 878 \end{array}$$
 (g)
$$\begin{array}{r} \text{H T O} \\ 985 \\ + 014 \\ \hline 999 \end{array}$$
 (h)
$$\begin{array}{r} \text{H T O} \\ 411 \\ + 173 \\ \hline 584 \end{array}$$

3. (a)
$$\begin{array}{r} \text{H T O} \\ 302 \\ + 331 \\ + 125 \\ \hline 758 \end{array}$$
 (b)
$$\begin{array}{r} \text{H T O} \\ 210 \\ + 202 \\ + 262 \\ \hline 674 \end{array}$$
 (c)
$$\begin{array}{r} \text{H T O} \\ 325 \\ + 104 \\ + 260 \\ \hline 689 \end{array}$$
 (d)
$$\begin{array}{r} \text{H T O} \\ 423 \\ + 342 \\ + 104 \\ \hline 869 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 485 \\ + 102 \\ + 310 \\ \hline 897 \end{array}$$
 (f)
$$\begin{array}{r} \text{H T O} \\ 733 \\ + 111 \\ + 122 \\ \hline 966 \end{array}$$
 (g)
$$\begin{array}{r} \text{H T O} \\ 100 \\ + 71 \\ + 11 \\ \hline 182 \end{array}$$
 (h)
$$\begin{array}{r} \text{H T O} \\ 505 \\ + 103 \\ + 210 \\ \hline 818 \end{array}$$

Page-50

Add the following numbers :

(a)
$$\begin{array}{r} \text{H T O} \\ 668 \\ + 200 \\ \hline 868 \end{array}$$
 (b)
$$\begin{array}{r} \text{H T O} \\ 500 \\ + 200 \\ \hline 700 \end{array}$$
 (c)
$$\begin{array}{r} \text{H T O} \\ 544 \\ + 100 \\ \hline 644 \end{array}$$
 (d)
$$\begin{array}{r} \text{H T O} \\ 600 \\ + 231 \\ \hline 831 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 330 \\ + 400 \\ \hline 730 \end{array}$$
 (f)
$$\begin{array}{r} \text{H T O} \\ 510 \\ + 300 \\ \hline 810 \end{array}$$
 (g)
$$\begin{array}{r} \text{H T O} \\ 300 \\ + 400 \\ \hline 700 \end{array}$$
 (h)
$$\begin{array}{r} \text{H T O} \\ 222 \\ + 100 \\ \hline 322 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ 339 \\ + 400 \\ \hline 739 \end{array}$$
 (j)
$$\begin{array}{r} \text{H T O} \\ 100 \\ + 310 \\ \hline 410 \end{array}$$
 (k)
$$\begin{array}{r} \text{H T O} \\ 900 \\ + 085 \\ \hline 985 \end{array}$$
 (l)
$$\begin{array}{r} \text{H T O} \\ 811 \\ + 100 \\ \hline 911 \end{array}$$

(m)	$\begin{array}{r} \text{H T O} \\ 270 \\ + 400 \\ \hline 670 \end{array}$	(n)	$\begin{array}{r} \text{H T O} \\ 300 \\ + 400 \\ \hline 700 \end{array}$	(o)	$\begin{array}{r} \text{H T O} \\ 111 \\ + 400 \\ \hline 511 \end{array}$	(p)	$\begin{array}{r} \text{H T O} \\ 200 \\ + 300 \\ \hline 500 \end{array}$
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Page-52

Add the following by regrouping :

(a)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 546 \\ + 366 \\ \hline 912 \end{array}$	(b)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 485 \\ + 276 \\ \hline 761 \end{array}$	(c)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 297 \\ + 323 \\ \hline 620 \end{array}$	(d)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 454 \\ + 363 \\ \hline 817 \end{array}$
-----	--	-----	--	-----	--	-----	--

(e)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 298 \\ + 487 \\ \hline 785 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 438 \\ + 522 \\ \hline 960 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 781 \\ + 189 \\ \hline 970 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 426 \\ + 196 \\ \hline 622 \end{array}$
-----	--	-----	--	-----	--	-----	--

(i)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 667 \\ + 276 \\ \hline 943 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 764 \\ + 194 \\ \hline 958 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 596 \\ + 316 \\ \hline 912 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 627 \\ + 183 \\ \hline 810 \end{array}$
-----	--	-----	--	-----	--	-----	--

(m)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 635 \\ + 177 \\ \hline 812 \end{array}$	(n)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 451 \\ + 364 \\ \hline 815 \end{array}$	(o)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 276 \\ + 687 \\ \hline 963 \end{array}$	(p)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 425 \\ + 229 \\ \hline 654 \end{array}$
-----	--	-----	--	-----	--	-----	--

(q)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 397 \\ + 483 \\ \hline 880 \end{array}$	(r)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 646 \\ + 154 \\ \hline 800 \end{array}$	(s)	$\begin{array}{r} \text{H T O} \\ 563 \\ + 216 \\ \hline 779 \end{array}$	(t)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 329 \\ + 145 \\ \hline 474 \end{array}$
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Page-54

1. (a)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 256 \\ + 147 \\ \hline 403 \end{array}$	(b)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 346 \\ + 358 \\ \hline 704 \end{array}$	(c)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 756 \\ + 138 \\ \hline 894 \end{array}$	(d)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 268 \\ + 209 \\ \hline 477 \end{array}$
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(e)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 6 \quad 2 \quad 6 \\ + 2 \quad 7 \quad 9 \\ \hline 9 \quad 0 \quad 5 \end{array}$$

(f)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 2 \quad 1 \quad 7 \\ + 4 \quad 6 \quad 9 \\ \hline 7 \quad 7 \quad 6 \end{array}$$

(g)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 1 \quad 7 \quad 8 \\ + 6 \quad 2 \quad 4 \\ \hline 8 \quad 0 \quad 2 \end{array}$$

(h)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 2 \quad 7 \quad 8 \\ + 1 \quad 2 \quad 9 \\ \hline 4 \quad 0 \quad 7 \end{array}$$

(i)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 1 \quad 5 \quad 6 \\ + 3 \quad 6 \quad 7 \\ \hline 5 \quad 2 \quad 3 \end{array}$$

(j)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 4 \quad 4 \quad 4 \\ + 2 \quad 2 \quad 9 \\ \hline 6 \quad 7 \quad 3 \end{array}$$

(k)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 4 \quad 2 \quad 9 \\ + 1 \quad 4 \quad 3 \\ \hline 5 \quad 7 \quad 2 \end{array}$$

(l)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 1 \quad 4 \quad 9 \\ + 3 \quad 1 \quad 6 \\ \hline 4 \quad 6 \quad 5 \end{array}$$

(m)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 1 \quad 5 \quad 5 \\ + 1 \quad 7 \quad 7 \\ \hline 3 \quad 3 \quad 2 \end{array}$$

(n)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 4 \quad 0 \quad 2 \\ + 1 \quad 6 \quad 9 \\ \hline 5 \quad 7 \quad 1 \end{array}$$

(o)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 2 \quad 2 \quad 3 \\ + 0 \quad 3 \quad 7 \\ \hline 2 \quad 6 \quad 0 \end{array}$$

(p)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 1 \quad 4 \quad 9 \\ + 3 \quad 1 \quad 6 \\ \hline 4 \quad 6 \quad 5 \end{array}$$

2. (a)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 3 \quad 1 \quad 7 \\ + 1 \quad 4 \quad 9 \\ + 4 \quad 3 \quad 0 \\ \hline 8 \quad 9 \quad 6 \end{array}$$

(b)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 6 \quad 2 \quad 0 \\ + 1 \quad 9 \quad 1 \\ + 0 \quad 6 \quad 7 \\ \hline 8 \quad 7 \quad 8 \end{array}$$

(c)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 4 \quad 2 \quad 3 \\ + 1 \quad 4 \quad 7 \\ + 1 \quad 9 \quad 3 \\ \hline 7 \quad 6 \quad 3 \end{array}$$

(d)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 2 \quad 1 \quad 4 \\ + 3 \quad 1 \quad 2 \\ + 4 \quad 9 \quad 7 \\ \hline 1 \quad 0 \quad 2 \quad 3 \end{array}$$

(e)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 1 \quad 9 \quad 0 \\ + 6 \quad 8 \quad 2 \\ + 1 \quad 9 \quad 9 \\ \hline 1 \quad 0 \quad 7 \quad 1 \end{array}$$

(f)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 7 \quad 6 \quad 3 \\ + 1 \quad 2 \quad 1 \\ + \quad 7 \quad 8 \\ \hline 9 \quad 6 \quad 2 \end{array}$$

3. (a)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 6 \quad 6 \\ + 1 \quad 2 \quad 5 \\ + 4 \quad 2 \quad 0 \\ \hline 6 \quad 1 \quad 1 \end{array}$$

(b)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 6 \quad 2 \quad 8 \\ + \quad 3 \quad 4 \\ + 1 \quad 3 \quad 8 \\ \hline 8 \quad 0 \quad 0 \end{array}$$

(c)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \\ 2 \quad 6 \quad 4 \\ + 1 \quad 3 \quad 5 \\ + 1 \quad 2 \quad 0 \\ \hline 5 \quad 1 \quad 9 \end{array}$$

(d)
$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{1} \quad \textcircled{1} \\ 2 \quad 5 \quad 0 \\ + 1 \quad 6 \quad 3 \\ + \quad 1 \quad 7 \\ \hline 4 \quad 3 \quad 0 \end{array}$$

(e)

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

(f)

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

Word Problems

1. Students =

	H	T	O
		①	
	6	3	8
New admissions =	+	2	1
Students now =		8	5

Now there are **854** students in school

2. Boat A caught fish =

	H	T	O
	①	①	
	1	7	3
Boat B caught fish =		8	7
Boat C caught fish =	+	2	1
Total fish =		4	7

The three boats together caught **474** fish

3. Ravi score =

	H	T	O
	①	①	
	3	6	7
Priya's extra points =	+		4
Priya's score =		4	1

Priya's score is **410** points

4. Team A scored runs =

	H	T	O
	①	①	
	1	9	5
Team B scored runs =		2	6
Team C scored runs =	+	2	0
Total runs scored in all =		6	6

666 runs were scored in all

5. Men =

	H	T	O
		①	
	2	2	8
Women =		2	1
Children =	+	3	1
Total people =		7	5

There are **757** people in fair

	H	T	O
6. Sweet in first packet =		8	7
Sweet in second packet =		8	6
Sweet in third packet =	+	7	5
Total sweets =		2	48

Ranu bought **248** sweets in all

	T	O
7. Ruhi has bangles =	2	8
Mahima has bangles =	+	64
Total bangles =		92

∴ There are **92** bangles in all

	H	T	O
8. Trees in jungle =	6	2	6
More trees planted =	+	2	88
Total trees =		9	14

∴ There are **914** trees in all in jungle

	H	T	O
9. In school chairs =	4	2	5
In school tables =	+	2	96
Total =		7	24

∴ There are **724** chairs and tables in school

	T	O
10. Reena has red marbles =	6	8
Reena has blue marbles =	6	9
Reena has green marbles =	+	93
Total marbles =		230

∴ There are **230** marbles in all with Reena

	T	O
11. Men in bus =	4	6
Women in bus =	2	8
Children in bus =	+	16
Total =		90

∴ There are **90** people in bus

	H	T	O
	①	①	
12. Pages read on Monday	=	3	6 5
Pages read on Tuesday	=	2	0 4
Pages read on Wednesday	=	+ 2	9 5
Total pages read	=	<u>8</u>	<u>6 4</u>

∴ Shashi read **864** pages in three days

MCQs

- (b) $131 + 0 = 131$
- (a) $63 + 93 = 93 + 63$
- (a) $67 + 14 = 81$
- (a) $367 + 485 = 852$
- (b) $600 + 200 = 800$

Mental Maths

1. <table style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>1</td><td>1</td><td>①</td></tr> <tr><td>+</td><td>②</td><td>⑤ 9</td></tr> <tr><td colspan="3"> </td></tr> <tr><td>3</td><td>6</td><td>9</td></tr> </tbody> </table>	H	T	O	1	1	①	+	②	⑤ 9				3	6	9	2. <table style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>1</td><td>①</td><td>3</td></tr> <tr><td>+</td><td>④</td><td>9 ②</td></tr> <tr><td colspan="3"> </td></tr> <tr><td>5</td><td>9</td><td>5</td></tr> </tbody> </table>	H	T	O	1	①	3	+	④	9 ②				5	9	5	3. <table style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>4</td><td>4</td><td>④</td></tr> <tr><td>+</td><td>②</td><td>① 2</td></tr> <tr><td colspan="3"> </td></tr> <tr><td>⑥</td><td>④</td><td>6</td></tr> </tbody> </table>	H	T	O	4	4	④	+	②	① 2				⑥	④	6	4. <table style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>1</td><td>③</td><td>7</td></tr> <tr><td>+</td><td>6</td><td>6 ①</td></tr> <tr><td colspan="3"> </td></tr> <tr><td>⑦</td><td>9</td><td>8</td></tr> </tbody> </table>	H	T	O	1	③	7	+	6	6 ①				⑦	9	8
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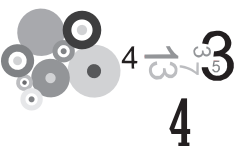
Test Exercise

1. (a) <table style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>①</th></tr> </thead> <tbody> <tr><td>2 4</td></tr> <tr><td>+</td></tr> <tr><td>7</td></tr> <tr><td colspan="2"> </td></tr> <tr><td>3 1</td></tr> </tbody> </table>	①	2 4	+	7			3 1	(b) <table style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>①</th></tr> </thead> <tbody> <tr><td>7 3</td></tr> <tr><td>+</td></tr> <tr><td>7</td></tr> <tr><td colspan="2"> </td></tr> <tr><td>8 0</td></tr> </tbody> </table>	①	7 3	+	7			8 0	(c) <table style="margin-left: auto; margin-right: auto;"> <tbody> <tr><td>8 1</td></tr> <tr><td>+</td></tr> <tr><td>6</td></tr> <tr><td colspan="2"> </td></tr> <tr><td>8 7</td></tr> </tbody> </table>	8 1	+	6			8 7	(d) <table style="margin-left: auto; margin-right: auto;"> <thead> <tr><th>①</th></tr> </thead> <tbody> <tr><td>6 4</td></tr> <tr><td>+</td></tr> <tr><td>9</td></tr> <tr><td colspan="2"> </td></tr> <tr><td>7 3</td></tr> </tbody> </table>	①	6 4	+	9			7 3		
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	2 7		1 9		4 5		3 4
	+ 3 3		+ 2 9		+ 1 9		+ 4 2
	<u>7 6</u>		<u>9 4</u>		<u>9 9</u>		<u>9 4</u>

2. Maths home work done = 25 minutes
 Science home work done = + 20 minutes
 Total time = 45 minutes
 $\therefore$ Nisha took **45** minutes to do all her home work

○○○



Subtraction

Page-60

1. (a)
$$\begin{array}{r} 8 \\ - 3 \\ \hline 5 \end{array}$$
 (b)
$$\begin{array}{r} 6 \\ - 4 \\ \hline 2 \end{array}$$
 (c)
$$\begin{array}{r} 9 \\ - 7 \\ \hline 2 \end{array}$$
 (d)
$$\begin{array}{r} 5 \\ - 2 \\ \hline 3 \end{array}$$
- (e)
$$\begin{array}{r} 7 \\ - 6 \\ \hline 1 \end{array}$$
 (f)
$$\begin{array}{r} 5 \\ - 5 \\ \hline 0 \end{array}$$
 (g)
$$\begin{array}{r} 8 \\ - 6 \\ \hline 2 \end{array}$$
 (h)
$$\begin{array}{r} 4 \\ - 2 \\ \hline 2 \end{array}$$
- (i)
$$\begin{array}{r} 7 \\ - 4 \\ \hline 3 \end{array}$$
 (j)
$$\begin{array}{r} 9 \\ - 8 \\ \hline 1 \end{array}$$
2. (a) $6-4=\textcircled{2}$ (b) $7-3=\textcircled{4}$ (c) $4-2=\textcircled{2}$ (d) $9-3=\textcircled{6}$
 (e) $6-5=\textcircled{1}$ (f) $8-5=\textcircled{3}$ (g) $7-7=\textcircled{0}$ (h) $8-2=\textcircled{6}$
 (i) $9-5=\textcircled{4}$
3. (a)
$$\begin{array}{r} \text{T O} \\ 7 7 \\ - 5 2 \\ \hline 2 5 \end{array}$$
 (b)
$$\begin{array}{r} \text{T O} \\ 8 6 \\ - 1 6 \\ \hline 7 0 \end{array}$$
 (c)
$$\begin{array}{r} \text{T O} \\ 9 0 \\ - 4 0 \\ \hline 5 0 \end{array}$$
 (d)
$$\begin{array}{r} \text{T O} \\ 7 8 \\ - 6 6 \\ \hline 1 2 \end{array}$$
- (e)
$$\begin{array}{r} \text{T O} \\ 3 9 \\ - 1 6 \\ \hline 2 3 \end{array}$$
 (f)
$$\begin{array}{r} \text{T O} \\ 9 6 \\ - 8 0 \\ \hline 1 6 \end{array}$$
 (g)
$$\begin{array}{r} \text{T O} \\ 7 6 \\ - 5 1 \\ \hline 2 5 \end{array}$$
 (h)
$$\begin{array}{r} \text{T O} \\ 9 6 \\ - 7 3 \\ \hline 2 3 \end{array}$$

(i)	$\begin{array}{r} \text{T O} \\ 45 \\ - 24 \\ \hline 21 \end{array}$	(j)	$\begin{array}{r} \text{T O} \\ 58 \\ - 35 \\ \hline 23 \end{array}$	(k)	$\begin{array}{r} \text{T O} \\ 77 \\ - 66 \\ \hline 11 \end{array}$	(l)	$\begin{array}{r} \text{T O} \\ 73 \\ - 44 \\ \hline 29 \end{array}$
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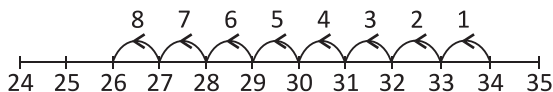
(m)	$\begin{array}{r} \text{T O} \\ 46 \\ - 31 \\ \hline 15 \end{array}$	(n)	$\begin{array}{r} \text{T O} \\ 99 \\ - 77 \\ \hline 22 \end{array}$	(o)	$\begin{array}{r} \text{T O} \\ 86 \\ - 76 \\ \hline 10 \end{array}$	(p)	$\begin{array}{r} \text{T O} \\ 85 \\ - 23 \\ \hline 62 \end{array}$
-----	--	-----	--	-----	--	-----	--

4. (a) $43 - 0 = 43$ (b) $18 - 1 = 17$ (c) $77 - 77 = 0$ (d) $54 - 0 = 54$
 (e) $33 - 1 = 32$ (f) $62 - 0 = 62$ (g) $98 - 1 = 97$ (h) $56 - 56 = 0$
 (i) $34 - 0 = 34$ (j) $18 - 18 = 0$ (k) $50 - 50 = 0$ (l) $33 - 1 = 32$
 (m) $89 - 0 = 89$ (n) $67 - 1 = 66$ (o) $54 - 54 = 0$ (p) $43 - 0 = 43$

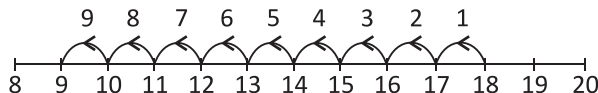
Page-62

1. (a) $14 - 0 = 14$ (b) $26 - 26 = 0$ (c) $98 - 1 = 97$ (d) $78 - 78 = 0$
 (e) $19 - 1 = 18$ (f) $94 - 1 = 93$ (g) $61 - 0 = 61$ (h) $100 - 1 = 99$
 (i) $44 - 0 = 44$ (j) $38 - 38 = 0$ (k) $71 - 1 = 70$ (l) $50 - 50 = 0$
 (m) $54 - 54 = 0$ (n) $89 - 0 = 89$ (o) $67 - 1 = 66$

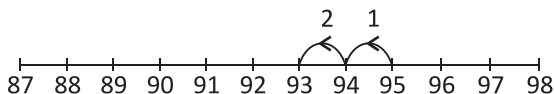
2. (a) $34 - 8 = 26$



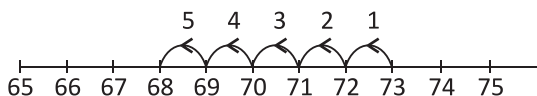
- (b) $18 - 9 = 9$



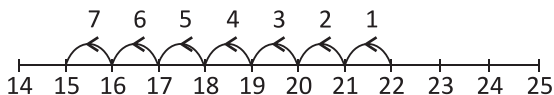
- (c) $95 - 2 = 93$



- (d) $73 - 5 = 68$



(e) $22 - 7 = 15$



Page-63

Subtract the following numbers :

- | | | | | | | | |
|--------|--|-----|--|-----|--|-----|--|
| 1. (a) | $\begin{array}{r} \text{T O} \\ 56 \\ - 26 \\ \hline 30 \end{array}$ | (b) | $\begin{array}{r} \text{T O} \\ 76 \\ - 35 \\ \hline 41 \end{array}$ | (c) | $\begin{array}{r} \text{T O} \\ 89 \\ - 24 \\ \hline 65 \end{array}$ | (d) | $\begin{array}{r} \text{T O} \\ 64 \\ - 51 \\ \hline 13 \end{array}$ |
| (e) | $\begin{array}{r} \text{T O} \\ 94 \\ - 72 \\ \hline 22 \end{array}$ | (f) | $\begin{array}{r} \text{T O} \\ 36 \\ - 20 \\ \hline 16 \end{array}$ | (g) | $\begin{array}{r} \text{T O} \\ 88 \\ - 57 \\ \hline 31 \end{array}$ | (h) | $\begin{array}{r} \text{T O} \\ 79 \\ - 43 \\ \hline 36 \end{array}$ |
| (i) | $\begin{array}{r} \text{T O} \\ 56 \\ - 15 \\ \hline 41 \end{array}$ | (j) | $\begin{array}{r} \text{T O} \\ 97 \\ - 76 \\ \hline 21 \end{array}$ | (k) | $\begin{array}{r} \text{T O} \\ 96 \\ - 80 \\ \hline 16 \end{array}$ | (l) | $\begin{array}{r} \text{T O} \\ 76 \\ - 51 \\ \hline 25 \end{array}$ |
| (m) | $\begin{array}{r} \text{T O} \\ 96 \\ - 73 \\ \hline 23 \end{array}$ | (n) | $\begin{array}{r} \text{T O} \\ 45 \\ - 24 \\ \hline 21 \end{array}$ | (o) | $\begin{array}{r} \text{T O} \\ 58 \\ - 35 \\ \hline 23 \end{array}$ | (p) | $\begin{array}{r} \text{T O} \\ 88 \\ - 40 \\ \hline 48 \end{array}$ |
| (q) | $\begin{array}{r} \text{T O} \\ 78 \\ - 62 \\ \hline 16 \end{array}$ | (r) | $\begin{array}{r} \text{T O} \\ 49 \\ - 31 \\ \hline 18 \end{array}$ | (s) | $\begin{array}{r} \text{T O} \\ 69 \\ - 35 \\ \hline 34 \end{array}$ | (t) | $\begin{array}{r} \text{T O} \\ 53 \\ - 50 \\ \hline 03 \end{array}$ |

Word Problems

- | | |
|--|---------------------------------|
| 1. Mayank has apples = 18 | |
| Mayank gives apples to his sister = <u>-13</u> | |
| Mayank have apples now = <u>05</u> | |
| 2. Candles buring = 17 | 3. Birds sitting on a tree = 23 |
| Candles blew off = <u>-6</u> | Birds flew away = <u>-11</u> |
| Candles left buring = <u>11</u> | Birds left = <u>12</u> |
| 4. Flowers on plant = 27 | |
| Flowers Hari picked = <u>-12</u> | |
| Flowers left on plant = <u>15</u> | |

5. Naman has marbles = 48
 Naman give marbles to sister = -23
 Marbles left with naman = 25
6. Jayaa had toffees = 48
 Jayaa give toffees to sister = -34
 Toffees left with Jayaa = 14

Page-66

Subtract the following :

- (a)
$$\begin{array}{r} \text{T O} \\ \textcircled{5} \textcircled{1} \\ \cancel{8} 3 \\ - 49 \\ \hline 13 \end{array}$$
- (b)
$$\begin{array}{r} \text{T O} \\ \textcircled{6} \textcircled{1} \\ \cancel{7} 9 \\ - 9 \\ \hline 63 \end{array}$$
- (c)
$$\begin{array}{r} \text{T O} \\ \textcircled{3} \textcircled{1} \\ \cancel{4} 2 \\ - 28 \\ \hline 14 \end{array}$$
- (d)
$$\begin{array}{r} \text{T O} \\ \textcircled{6} \textcircled{1} \\ \cancel{7} 7 \\ - 39 \\ \hline 38 \end{array}$$
- (e)
$$\begin{array}{r} \text{T O} \\ \textcircled{7} \textcircled{1} \\ \cancel{8} 5 \\ - 26 \\ \hline 59 \end{array}$$
- (f)
$$\begin{array}{r} \text{T O} \\ \textcircled{8} \textcircled{1} \\ \cancel{9} 8 \\ - 49 \\ \hline 49 \end{array}$$
- (g)
$$\begin{array}{r} \text{T O} \\ \textcircled{5} \textcircled{1} \\ \cancel{6} 0 \\ - 26 \\ \hline 34 \end{array}$$
- (h)
$$\begin{array}{r} \text{T O} \\ \textcircled{2} \textcircled{1} \\ \cancel{3} 3 \\ - 28 \\ \hline 05 \end{array}$$
- (i)
$$\begin{array}{r} \text{T O} \\ 66 \\ - 51 \\ \hline 15 \end{array}$$
- (j)
$$\begin{array}{r} \text{T O} \\ \textcircled{4} \textcircled{1} \\ \cancel{5} 0 \\ - 8 \\ \hline 42 \end{array}$$
- (k)
$$\begin{array}{r} \text{T O} \\ \textcircled{8} \textcircled{1} \\ \cancel{9} 2 \\ - 59 \\ \hline 33 \end{array}$$
- (l)
$$\begin{array}{r} \text{T O} \\ \textcircled{7} \textcircled{1} \\ \cancel{8} 2 \\ - 66 \\ \hline 16 \end{array}$$
- (m)
$$\begin{array}{r} \text{T O} \\ \textcircled{4} \textcircled{1} \\ \cancel{5} 2 \\ - 46 \\ \hline 06 \end{array}$$
- (n)
$$\begin{array}{r} \text{T O} \\ \textcircled{8} \textcircled{1} \\ \cancel{9} 0 \\ - 37 \\ \hline 53 \end{array}$$
- (o)
$$\begin{array}{r} \text{T O} \\ \textcircled{5} \textcircled{1} \\ \cancel{6} 0 \\ - 16 \\ \hline 44 \end{array}$$
- (p)
$$\begin{array}{r} \text{T O} \\ \textcircled{6} \textcircled{1} \\ \cancel{7} 3 \\ - 27 \\ \hline 46 \end{array}$$
- (q)
$$\begin{array}{r} \text{T O} \\ 58 \\ - 23 \\ \hline 35 \end{array}$$
- (r)
$$\begin{array}{r} \text{T O} \\ \textcircled{4} \textcircled{1} \\ \cancel{5} 2 \\ - 39 \\ \hline 13 \end{array}$$
- (s)
$$\begin{array}{r} \text{T O} \\ \textcircled{3} \textcircled{1} \\ \cancel{4} 3 \\ - 19 \\ \hline 24 \end{array}$$
- (t)
$$\begin{array}{r} \text{T O} \\ \textcircled{7} \textcircled{1} \\ \cancel{8} 4 \\ - 17 \\ \hline 67 \end{array}$$

Page-67

Subtract the following numbers :

- (a)
$$\begin{array}{r} \text{H T O} \\ 654 \\ - 343 \\ \hline 311 \end{array}$$
- (b)
$$\begin{array}{r} \text{H T O} \\ 827 \\ - 102 \\ \hline 725 \end{array}$$
- (c)
$$\begin{array}{r} \text{H T O} \\ 562 \\ - 40 \\ \hline 522 \end{array}$$
- (d)
$$\begin{array}{r} \text{H T O} \\ 469 \\ - 237 \\ \hline 232 \end{array}$$

(e)	$\begin{array}{r} \text{H T O} \\ 9 \ 4 \ 3 \\ - 6 \ 2 \ 3 \\ \hline 3 \ 2 \ 0 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ 7 \ 0 \ 5 \\ - 5 \ 0 \ 1 \\ \hline 2 \ 0 \ 4 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ 5 \ 4 \ 6 \\ - 1 \ 1 \ 4 \\ \hline 4 \ 3 \ 2 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ 5 \ 4 \ 6 \\ - 2 \ 3 \ 7 \\ \hline 3 \ 1 \ 9 \end{array}$
(i)	$\begin{array}{r} \text{H T O} \\ 6 \ 6 \ 6 \\ - 2 \ 3 \ 4 \\ \hline 4 \ 3 \ 2 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ 9 \ 9 \ 9 \\ - 4 \ 5 \ 6 \\ \hline 5 \ 4 \ 3 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ 9 \ 8 \ 8 \\ - 3 \ 3 \ 4 \\ \hline 6 \ 5 \ 4 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ 7 \ 8 \ 8 \\ - 4 \ 3 \ 3 \\ \hline 3 \ 5 \ 5 \end{array}$
(m)	$\begin{array}{r} \text{H T O} \\ 5 \ 3 \ 6 \\ - 1 \ 3 \ 2 \\ \hline 4 \ 0 \ 4 \end{array}$	(n)	$\begin{array}{r} \text{H T O} \\ 8 \ 8 \ 8 \\ - 3 \ 4 \ 7 \\ \hline 5 \ 4 \ 1 \end{array}$	(o)	$\begin{array}{r} \text{H T O} \\ 5 \ 5 \ 7 \\ - 4 \ 3 \ 4 \\ \hline 1 \ 2 \ 3 \end{array}$	(p)	$\begin{array}{r} \text{H T O} \\ 9 \ 4 \ 1 \\ - 7 \ 3 \ 0 \\ \hline 2 \ 1 \ 1 \end{array}$
(q)	$\begin{array}{r} \text{H T O} \\ 9 \ 4 \ 5 \\ - 4 \ 3 \ 3 \\ \hline 5 \ 1 \ 2 \end{array}$	(r)	$\begin{array}{r} \text{H T O} \\ 5 \ 6 \ 5 \\ - 3 \ 4 \ 5 \\ \hline 2 \ 2 \ 0 \end{array}$	(s)	$\begin{array}{r} \text{H T O} \\ 6 \ 3 \ 8 \\ - 2 \ 3 \ 4 \\ \hline 4 \ 0 \ 4 \end{array}$	(t)	$\begin{array}{r} \text{H T O} \\ 8 \ 8 \ 8 \\ - 3 \ 4 \ 5 \\ \hline 5 \ 4 \ 3 \end{array}$
(u)	$\begin{array}{r} \text{H T O} \\ 6 \ 9 \ 8 \\ - 3 \ 6 \ 2 \\ \hline 3 \ 3 \ 6 \end{array}$						

Page-69

Subtract the following numbers :

(a)	$\begin{array}{r} \text{H T O} \\ 5 \ 0 \ 0 \\ - 2 \ 0 \ 0 \\ \hline 3 \ 0 \ 0 \end{array}$	(b)	$\begin{array}{r} \text{H T O} \\ 9 \ 0 \ 0 \\ - 4 \ 0 \ 0 \\ \hline 5 \ 0 \ 0 \end{array}$	(c)	$\begin{array}{r} \text{H T O} \\ 8 \ 0 \ 0 \\ - 6 \ 0 \ 0 \\ \hline 2 \ 0 \ 0 \end{array}$	(d)	$\begin{array}{r} \text{H T O} \\ 6 \ 7 \ 9 \\ - 3 \ 0 \ 0 \\ \hline 3 \ 7 \ 9 \end{array}$
(e)	$\begin{array}{r} \text{H T O} \\ 7 \ 6 \ 3 \\ - 5 \ 0 \ 0 \\ \hline 2 \ 6 \ 3 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ 8 \ 4 \ 3 \\ - 1 \ 0 \ 0 \\ \hline 7 \ 4 \ 3 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ 4 \ 7 \ 7 \\ - 3 \ 0 \ 0 \\ \hline 1 \ 7 \ 7 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ 6 \ 2 \ 7 \\ - 2 \ 0 \ 0 \\ \hline 4 \ 2 \ 7 \end{array}$
(i)	$\begin{array}{r} \text{H T O} \\ 4 \ 6 \ 6 \\ - 2 \ 0 \ 0 \\ \hline 2 \ 6 \ 6 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ 2 \ 9 \ 1 \\ - 1 \ 0 \ 0 \\ \hline 1 \ 9 \ 1 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ 3 \ 9 \ 4 \\ - 1 \ 0 \ 0 \\ \hline 2 \ 9 \ 4 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ 4 \ 9 \ 2 \\ - 3 \ 0 \ 0 \\ \hline 1 \ 9 \ 2 \end{array}$

(m)	$\begin{array}{r} \text{H T O} \\ 653 \\ - 400 \\ \hline 253 \end{array}$	(n)	$\begin{array}{r} \text{H T O} \\ 576 \\ - 200 \\ \hline 376 \end{array}$	(o)	$\begin{array}{r} \text{H T O} \\ 788 \\ - 600 \\ \hline 188 \end{array}$	(p)	$\begin{array}{r} \text{H T O} \\ 362 \\ - 100 \\ \hline 262 \end{array}$
-----	---	-----	---	-----	---	-----	---

(q)	$\begin{array}{r} \text{H T O} \\ 444 \\ - 300 \\ \hline 144 \end{array}$	(r)	$\begin{array}{r} \text{H T O} \\ 740 \\ - 500 \\ \hline 240 \end{array}$	(s)	$\begin{array}{r} \text{H T O} \\ 971 \\ - 800 \\ \hline 171 \end{array}$	(t)	$\begin{array}{r} \text{H T O} \\ 840 \\ - 400 \\ \hline 440 \end{array}$
-----	---	-----	---	-----	---	-----	---

(u)

$$\begin{array}{r} \text{H T O} \\ 640 \\ - 200 \\ \hline 440 \end{array}$$

Page-72

Subtract the following by regrouping :

(a)	$\begin{array}{r} \text{H T O} \\ \textcircled{6} \textcircled{1} \\ 6 \cancel{7} 2 \\ - 538 \\ \hline 134 \end{array}$	(b)	$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{1} \\ 5 \cancel{8} 3 \\ - 249 \\ \hline 314 \end{array}$	(c)	$\begin{array}{r} \text{H T O} \\ \textcircled{4} \textcircled{1} \\ 9 \cancel{8} 7 \\ - 639 \\ \hline 318 \end{array}$	(d)	$\begin{array}{r} \text{H T O} \\ \textcircled{6} \textcircled{1} \\ 7 \cancel{7} 2 \\ - 43 \\ \hline 729 \end{array}$
-----	---	-----	---	-----	---	-----	--

(e)	$\begin{array}{r} \text{H T O} \\ \textcircled{7} \textcircled{1} \\ 7 \cancel{8} 5 \\ - 546 \\ \hline 239 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{1} \\ 4 \cancel{8} 4 \\ - 238 \\ \hline 226 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ \textcircled{7} \textcircled{1} \\ 4 \cancel{8} 1 \\ - 78 \\ \hline 403 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ \textcircled{4} \textcircled{7} \textcircled{1} \\ 5 \cancel{8} 0 \\ - 279 \\ \hline 201 \end{array}$
-----	---	-----	---	-----	--	-----	---

(i)	$\begin{array}{r} \text{H T O} \\ \textcircled{6} \textcircled{1} \textcircled{1} \\ \cancel{7} \cancel{4} 2 \\ - 479 \\ \hline 263 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{1} \textcircled{1} \\ \cancel{8} \cancel{3} 1 \\ - 365 \\ \hline 266 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{9} \textcircled{1} \\ \cancel{8} \cancel{8} 6 \\ - 518 \\ \hline 088 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ \textcircled{8} \textcircled{1} \textcircled{1} \\ \cancel{8} \cancel{8} 5 \\ - 588 \\ \hline 397 \end{array}$
-----	--	-----	--	-----	--	-----	--

(m)	$\begin{array}{r} \text{H T O} \\ \textcircled{6} \textcircled{1} \textcircled{1} \\ \cancel{7} \cancel{4} 5 \\ - 456 \\ \hline 289 \end{array}$	(n)	$\begin{array}{r} \text{H T O} \\ \textcircled{4} \textcircled{9} \textcircled{1} \\ \cancel{8} \cancel{8} 0 \\ - 345 \\ \hline 155 \end{array}$	(o)	$\begin{array}{r} \text{H T O} \\ \textcircled{4} \textcircled{1} \textcircled{1} \\ \cancel{8} \cancel{8} 2 \\ - 264 \\ \hline 298 \end{array}$	(p)	$\begin{array}{r} \text{H T O} \\ \textcircled{8} \textcircled{1} \textcircled{1} \\ \cancel{8} \cancel{8} 9 \\ - 192 \\ \hline 197 \end{array}$
-----	--	-----	--	-----	--	-----	--



(q)	$\begin{array}{r} \text{H T O} \\ \textcircled{7} \textcircled{9} \textcircled{1} \\ \cancel{8} \cancel{0} 6 \\ - 458 \\ \hline 348 \end{array}$	(r)	$\begin{array}{r} \text{H T O} \\ \textcircled{8} \textcircled{1} \textcircled{1} \\ \cancel{9} \cancel{8} 0 \\ - 364 \\ \hline 586 \end{array}$	(s)	$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{9} \textcircled{1} \\ \cancel{6} \cancel{0} 5 \\ - 258 \\ \hline 347 \end{array}$	(t)	$\begin{array}{r} \text{H T O} \\ \textcircled{2} \textcircled{6} \textcircled{1} \\ \cancel{8} \cancel{7} 6 \\ - 288 \\ \hline 188 \end{array}$
(u)	$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{9} \textcircled{1} \\ \cancel{6} \cancel{0} 5 \\ - 349 \\ \hline 256 \end{array}$						

Word Problems

Page-74

1.	Arushi's height =	$\begin{array}{r} \text{H T O} \\ 124 \text{ cm} \end{array}$
	Difference in height =	$\begin{array}{r} + 50 \text{ cm} \\ \hline 174 \text{ cm} \end{array}$
	Honey's height =	
	∴ Honey's height	174 cm

2.	Total apples =	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 214 \end{array}$
	Rotten apples =	$\begin{array}{r} - 65 \\ \hline 149 \end{array}$
	Good apples =	
	∴ The fruit seller is left with	149 good apples

3.	Mr. Rai had rupees = ₹	$\begin{array}{r} \text{H T O} \\ 937 \end{array}$
	Mr. Dua had rupees = ₹	$\begin{array}{r} - 748 \\ \hline 189 \end{array}$
	Mr. Rai had more rupees by = ₹	
	∴ Mr. Rai had ₹	189 more than Mr. Dua

4.	Passenger in bus =	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 215 \end{array}$
	Passenger got in I st stop =	$\begin{array}{r} 37 \\ \hline 52 \end{array}$
	Passenger got in II nd stop =	
	Passengers in bus now =	$\begin{array}{r} + 304 \\ \hline 304 \end{array}$
	∴ There are	304 passengers in bus now

5.	Rahul wrote words on page =	$\begin{array}{r} \text{H T O} \\ 350 \end{array}$
	Rahul erased words from page =	$\begin{array}{r} - 175 \\ \hline 175 \end{array}$
	Word left =	
	∴	175 words left on page after erase

	H	T	O
6. Popcorns in the packet =	5	2	3
Popcorns ate by Shalini =	–	2	6 3
Popcorns left =		2	6 0

∴ **260** popcorn left in the packet

	H	T	O
7. Shoes in shoe shop =	①	①	5
Shoes brought in January =		9	9
Shoes brought in February =	+	1	2 0
Shoes now =		3	3 4

∴ There are **334** shoes in shoe shop now

	T	O
8. Students in class =	6	7
Students like cricket =	–	1 3
Students like football =		5 4

∴ **54** students like football

	T	O
9. Seller had balloons =	4	8
Seller sold balloons =	–	3 9
Balloons left =		9

∴ Balloons left with seller **09**

	T	O
10. Kites in shop =	7	8
Kites sold =	–	5 9
Kites left =		1 9

∴ **19** kites left in shop

	T	O
11. Sunil had crayons =	6	4
Sunil left with crayons =	–	4 8
Crayons loose =		1 6

∴ Sunil loose **16** crayons

	T	O
12. Students in bus =	7	6
Students singing =	–	4 7
Students chatting =		1 9

∴ **19** students are chatting

	T	O
13. Cutlets bought =	7	2
Cutlets left =	–	2 8
Cutlets used =		4 4

∴ **44** cutlets used in birthday party

14. Girls in class =

Boys in class =

More girls are =

∴ 12 more girls than boys

$$\begin{array}{r} \text{T O} \\ 38 \\ - 26 \\ \hline 12 \end{array}$$

15. Passengers in bus =

Passengers got down =

Passengers left =

∴ 28 passengers left in the bus

$$\begin{array}{r} \text{T O} \\ 56 \\ - 28 \\ \hline 28 \end{array}$$

Page-77

1. Packets delivered Ist day =

Packets delivered IInd day =

∴ 202 packets delivered by courier boy in a week

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 77 \\ + 125 \\ \hline 202 \end{array}$$

2. Students in school =

Boys students in school =

Girls students in school =

∴ 411 girls students in school

$$\begin{array}{r} 864 \\ - 453 \\ \hline 411 \end{array}$$

3. Pages in book =

Pages used =

Pages unused =

∴ 29 pages left unused

$$\begin{array}{r} 168 \\ - 139 \\ \hline 29 \end{array}$$

MCQs

- (c) Place value of 8 = 800

Place value of 9 = -9

Difference = 791

- (c) $938 - 300 = 638$

- (a)

$$\begin{array}{r} 697 \\ - 265 \\ \hline 432 \end{array}$$

- (c) Place value of 2 in $126 = 20$

∴

$$\begin{array}{r} 596 \\ - 20 \\ \hline 576 \end{array}$$

- (b)

$$\begin{array}{r} 594 \\ - 256 \\ \hline 338 \end{array}$$

Test Exercise

1. (a)
$$\begin{array}{r} \textcircled{5} \textcircled{1} \\ \cancel{8} 0 \\ - 9 \\ \hline 5 1 \end{array}$$

(b)
$$\begin{array}{r} \textcircled{3} \textcircled{1} \\ \cancel{4} 3 \\ - 7 \\ \hline 3 6 \end{array}$$

(c)
$$\begin{array}{r} \textcircled{4} \textcircled{1} \\ \cancel{5} 3 \\ - 2 6 \\ \hline 2 7 \end{array}$$

(d)
$$\begin{array}{r} \textcircled{6} \textcircled{1} \\ \cancel{7} 8 \\ - 3 9 \\ \hline 3 9 \end{array}$$

(e)
$$\begin{array}{r} \textcircled{2} \textcircled{1} \\ \cancel{3} 2 \\ - 1 5 \\ \hline 1 7 \end{array}$$

2. (a)
$$\begin{array}{r} \textcircled{4} \textcircled{1} \\ \cancel{5} 1 \\ - 4 4 \\ \hline 0 7 \end{array}$$

(b)
$$\begin{array}{r} \textcircled{2} \textcircled{1} \\ \cancel{3} 0 \\ - 1 4 \\ \hline 1 6 \end{array}$$

(c)
$$\begin{array}{r} \textcircled{8} \textcircled{1} \\ \cancel{9} 1 \\ - 6 7 \\ \hline 2 4 \end{array}$$

(d)
$$\begin{array}{r} \textcircled{7} \textcircled{1} \\ \cancel{8} 0 \\ - 7 7 \\ \hline 0 3 \end{array}$$

(e)
$$\begin{array}{r} 6 6 \\ - 3 3 \\ \hline 3 3 \end{array}$$

(f)
$$\begin{array}{r} 5 7 \\ - 4 0 \\ \hline 1 7 \end{array}$$

(g)
$$\begin{array}{r} 4 9 \\ - 2 4 \\ \hline 2 5 \end{array}$$

(h)
$$\begin{array}{r} 9 9 \\ - 7 8 \\ \hline 2 1 \end{array}$$

(i)
$$\begin{array}{r} \textcircled{5} \textcircled{1} \\ \cancel{6} 2 \\ - 5 7 \\ \hline 0 5 \end{array}$$

(j)
$$\begin{array}{r} \textcircled{8} \textcircled{1} \\ \cancel{9} 2 \\ - 4 5 \\ \hline 4 7 \end{array}$$

3. (a) Children in class =
$$\begin{array}{r} \textcircled{2} \textcircled{1} \\ \cancel{3} 2 \end{array}$$

 Children came late =
$$\begin{array}{r} - 1 5 \\ \hline 1 7 \end{array}$$

 Children came on time =
$$\begin{array}{r} 1 7 \end{array}$$

 $\therefore$ 17 children came on time

(b) Students in one class = 4 0
 Students in other class =
$$\begin{array}{r} + 3 8 \\ \hline 7 8 \end{array}$$

 Students in both class =
$$\begin{array}{r} 7 8 \end{array}$$

 $\therefore$ there are 78 students in both class

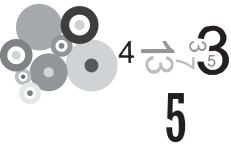
(c) Gulab Jamun made =
$$\begin{array}{r} \textcircled{3} \textcircled{1} \\ \cancel{4} 5 \end{array}$$

 Gulab Jamun eaten =
$$\begin{array}{r} - 2 9 \\ \hline 1 6 \end{array}$$

 Gulab Jamun left =
$$\begin{array}{r} 1 6 \end{array}$$

 $\therefore$ 16 gulab jamun left

○○○



Multiplication

Page-80

1. (b) $(4) + (4) + (4) + (4) + (4) = (20)$
 $(5) \times (4) = (20)$

$\therefore (4) \text{ multiplied by } (5) = (20)$

2. (a) $(5) + (5) + (5) + (5) = 20$
 $(4) \times (5) = (20)$

$\therefore (5) \text{ multiplied by } (4) = (20)$

(b) $(6) + (6) + (6) + (6) = (24)$
 $(4) \times (6) = (24)$

$\therefore (6) \text{ multiplied by } (4) = (24)$

3. (b) $(3) + (3) + (3) = (9)$
 $3 \times 3 = (9)$

(c) $(4) + (4) + 4 = (12)$
 $(3) \times (4) = (12)$

(d) $(7) + 7 + (7) = (21)$
 $(3) \times 7 = 21$

4. (a) $3+3+3=3 \times 3 = (9)$

(b) $5+5+5+5+5 = (5 \times 5) = (25)$

(c) $6+6+6+6+6 = (5 \times 6) = (30)$

(d) $2+2+2+2 = (4 \times 2) = (8)$

(e) $4+4+4+4+4 = (5 \times 4) = (20)$

(f) $10+10+10 = (3 \times 10) = (30)$

5. $4 \times 7 = 7 + 7 + 7 + 7 = 28$

$6 \times 3 = 3 + 3 + 3 + 3 + 3 + 3 = 18$

$5 \times 8 = 8 + 8 + 8 + 8 + 8 = 40$

$8 \times 1 = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 8$

$7 \times 3 = 3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$

$9 \times 10 = 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = 90$

$1 \times 5 = 5 = 5$

$3 \times 9 = 9 + 9 + 9 = 27$

$3 \times 8 = 8 + 8 + 8 = 24$

$10 \times 7 = 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 = 70$

Page-89

1. (a) $7 \times 9 = 9 \times 7$ (b) $9 \times 0 = 0$

(c) $5 \times 1 = 5$ (d) $12 \times 1 = 12$

(e) $5 \times 4 = 4 \times 5$

(f) $0 \times 2 = 0$

(g) $4 \times 7 = 7 \times 4 = 28$

(h) $2 \times 9 = 9 \times 2 = 18$

(i) $3 \times 10 = 10 \times 3 = 30$

(j) $5 \times 8 = 8 \times 5 = 40$

(k) $2 \times 0 = 0 \times 2 = 0$

(m) $6 \times 4 = 4 \times 6 = 24$

(l) $9 \times 1 = 1 \times 9 = 9$

(n) $3 \times 6 = 6 \times 3 = 18$

2. (a) $8 \times 5 = 40$ (b) $9 \times 4 = 36$ (c) $3 \times 9 = 27$ (d) $4 \times 5 = 20$

(e) $4 \times 7 = 28$ (f) $6 \times 6 = 36$ (g) $6 \times 3 = 18$ (h) $7 \times 8 = 56$

(i) $5 \times 9 = 45$ (j) $4 \times 8 = 32$ (k) $5 \times 7 = 35$ (l) $9 \times 7 = 63$

3. (a)
$$\begin{array}{r} \text{T O} \\ 6 \\ \times 7 \\ \hline 42 \end{array}$$

(b)
$$\begin{array}{r} \text{T O} \\ 9 \\ \times 5 \\ \hline 45 \end{array}$$

(c)
$$\begin{array}{r} \text{T O} \\ 10 \\ \times 4 \\ \hline 40 \end{array}$$

(d)
$$\begin{array}{r} \text{T O} \\ 7 \\ \times 3 \\ \hline 21 \end{array}$$

(e)
$$\begin{array}{r} \text{T O} \\ 3 \\ \times 8 \\ \hline 24 \end{array}$$

(f)
$$\begin{array}{r} \text{T O} \\ 8 \\ \times 6 \\ \hline 48 \end{array}$$

(g)
$$\begin{array}{r} \text{T O} \\ 8 \\ \times 9 \\ \hline 72 \end{array}$$

(h)
$$\begin{array}{r} \text{T O} \\ 7 \\ \times 7 \\ \hline 49 \end{array}$$

(i)
$$\begin{array}{r} \text{T O} \\ 8 \\ \times 2 \\ \hline 16 \end{array}$$

(j)
$$\begin{array}{r} \text{T O} \\ 5 \\ \times 4 \\ \hline 20 \end{array}$$

(k)
$$\begin{array}{r} \text{T O} \\ 9 \\ \times 9 \\ \hline 81 \end{array}$$

(l)
$$\begin{array}{r} \text{T O} \\ 2 \\ \times 9 \\ \hline 18 \end{array}$$

(m)
$$\begin{array}{r} \text{T O} \\ 1 \\ \times 2 \\ \hline 02 \end{array}$$

(n)
$$\begin{array}{r} \text{T O} \\ 3 \\ \times 4 \\ \hline 12 \end{array}$$

(o)
$$\begin{array}{r} \text{T O} \\ 5 \\ \times 8 \\ \hline 40 \end{array}$$

(p)
$$\begin{array}{r} \text{T O} \\ 7 \\ \times 9 \\ \hline 63 \end{array}$$

(q)
$$\begin{array}{r} \text{T O} \\ 4 \\ \times 7 \\ \hline 28 \end{array}$$

(r)
$$\begin{array}{r} \text{T O} \\ 6 \\ \times 9 \\ \hline 54 \end{array}$$

(s)
$$\begin{array}{r} \text{T O} \\ 3 \\ \times 6 \\ \hline 18 \end{array}$$

(t)
$$\begin{array}{r} \text{T O} \\ 7 \\ \times 8 \\ \hline 56 \end{array}$$

(u)
$$\begin{array}{r} \text{T O} \\ 5 \\ \times 3 \\ \hline 15 \end{array}$$

(v)
$$\begin{array}{r} \text{T O} \\ 10 \\ \times 7 \\ \hline 70 \end{array}$$

(w)
$$\begin{array}{r} \text{T O} \\ 9 \\ \times 6 \\ \hline 54 \end{array}$$

(x)
$$\begin{array}{r} \text{T O} \\ 6 \\ \times 7 \\ \hline 42 \end{array}$$

Page-91

(a) $7 \text{ times } 2 = 7 \times 2 = 14$ (b) $3 \text{ times } 3 = 3 \times 3 = 9$

(c) $3 \text{ times } 5 = 3 \times 5 = 15$

(d) $3 \text{ times } 4 = 3 \times 4 = 12$

(e) $5 \text{ times } 2 = 5 \times 2 = 10$

Page-92

2. (a)
$$\begin{array}{r} \text{T O} \\ 2 \ 3 \\ \times 2 \\ \hline 4 \ 6 \end{array}$$
- (b)
$$\begin{array}{r} \text{T O} \\ 3 \ 2 \\ \times 2 \\ \hline 6 \ 4 \end{array}$$
- (c)
$$\begin{array}{r} \text{T O} \\ 3 \ 9 \\ \times 1 \\ \hline 3 \ 9 \end{array}$$
- (d)
$$\begin{array}{r} \text{T O} \\ 4 \ 4 \\ \times 2 \\ \hline 8 \ 8 \end{array}$$
- (e)
$$\begin{array}{r} \text{T O} \\ 2 \ 2 \\ \times 3 \\ \hline 6 \ 6 \end{array}$$
- (f)
$$\begin{array}{r} \text{T O} \\ 4 \ 0 \\ \times 2 \\ \hline 8 \ 0 \end{array}$$
- (g)
$$\begin{array}{r} \text{T O} \\ 2 \ 4 \\ \times 2 \\ \hline 4 \ 8 \end{array}$$
- (h)
$$\begin{array}{r} \text{T O} \\ 3 \ 1 \\ \times 3 \\ \hline 9 \ 3 \end{array}$$
- (i)
$$\begin{array}{r} \text{T O} \\ 2 \ 3 \\ \times 3 \\ \hline 6 \ 9 \end{array}$$
- (j)
$$\begin{array}{r} \text{T O} \\ 1 \ 2 \\ \times 3 \\ \hline 3 \ 6 \end{array}$$
- (k)
$$\begin{array}{r} \text{T O} \\ 2 \ 0 \\ \times 4 \\ \hline 8 \ 0 \end{array}$$
- (l)
$$\begin{array}{r} \text{T O} \\ 1 \ 1 \\ \times 5 \\ \hline 5 \ 5 \end{array}$$

Page-93

- (a)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 1 \ 9 \\ \times 6 \\ \hline 5 \ 4 \end{array}$$
- (b)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 5 \ 8 \\ \times 3 \\ \hline 1 \ 7 \ 4 \end{array}$$
- (c)
$$\begin{array}{r} \text{H T O} \\ 8 \ 0 \\ \times 5 \\ \hline 4 \ 0 \ 0 \end{array}$$
- (d)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 4 \ 2 \\ \times 6 \\ \hline 2 \ 5 \ 2 \end{array}$$
- (e)
$$\begin{array}{r} \text{H T O} \\ \textcircled{6} \\ 2 \ 8 \\ \times 8 \\ \hline 2 \ 2 \ 4 \end{array}$$
- (f)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 5 \ 4 \\ \times 8 \\ \hline 4 \ 3 \ 2 \end{array}$$
- (g)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 5 \ 4 \\ \times 6 \\ \hline 3 \ 2 \ 4 \end{array}$$
- (h)
$$\begin{array}{r} \text{H T O} \\ \textcircled{4} \\ 4 \ 7 \\ \times 6 \\ \hline 2 \ 8 \ 2 \end{array}$$
- (i)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 4 \ 9 \\ \times 3 \\ \hline 1 \ 4 \ 7 \end{array}$$
- (j)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 9 \ 2 \\ \times 9 \\ \hline 8 \ 2 \ 8 \end{array}$$
- (k)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 9 \ 7 \\ \times 2 \\ \hline 1 \ 9 \ 4 \end{array}$$
- (l)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 6 \ 9 \\ \times 4 \\ \hline 2 \ 7 \ 6 \end{array}$$
- (m)
$$\begin{array}{r} \text{H T O} \\ \textcircled{4} \\ 6 \ 5 \\ \times 8 \\ \hline 5 \ 2 \ 0 \end{array}$$
- (n)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 2 \ 4 \\ \times 7 \\ \hline 1 \ 6 \ 8 \end{array}$$
- (o)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 3 \ 3 \\ \times 6 \\ \hline 1 \ 9 \ 8 \end{array}$$
- (p)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 8 \ 6 \\ \times 5 \\ \hline 4 \ 3 \ 0 \end{array}$$

2. (a)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 3 \ 8 \\ \times 2 \\ \hline 7 \ 6 \end{array}$$
- (b)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 2 \ 5 \\ \times 3 \\ \hline 7 \ 5 \end{array}$$
- (c)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 2 \ 4 \\ \times 4 \\ \hline 9 \ 6 \end{array}$$
- (d)
$$\begin{array}{r} \text{H T O} \\ \textcircled{4} \\ 1 \ 8 \\ \times 5 \\ \hline 9 \ 0 \end{array}$$
- (e)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 1 \ 5 \\ \times 6 \\ \hline 9 \ 0 \end{array}$$
- (f)
$$\begin{array}{r} \text{H T O} \\ \textcircled{4} \\ 1 \ 8 \\ \times 5 \\ \hline 9 \ 0 \end{array}$$
- (g)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 4 \ 6 \\ \times 2 \\ \hline 9 \ 2 \end{array}$$
- (h)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 2 \ 7 \\ \times 4 \\ \hline 1 \ 0 \ 8 \end{array}$$

Page-96

1. (a)
$$\begin{array}{r} \text{H T O} \\ 1 \ 4 \ 4 \\ \times 2 \\ \hline 2 \ 8 \ 8 \end{array}$$
- (b)
$$\begin{array}{r} \text{H T O} \\ 3 \ 2 \ 4 \\ \times 2 \\ \hline 6 \ 4 \ 8 \end{array}$$
- (c)
$$\begin{array}{r} \text{H T O} \\ 1 \ 0 \ 1 \\ \times 9 \\ \hline 9 \ 0 \ 9 \end{array}$$
- (d)
$$\begin{array}{r} \text{H T O} \\ 1 \ 0 \ 3 \\ \times 3 \\ \hline 3 \ 0 \ 9 \end{array}$$
- (e)
$$\begin{array}{r} \text{H T O} \\ 2 \ 3 \ 0 \\ \times 3 \\ \hline 6 \ 9 \ 0 \end{array}$$
- (f)
$$\begin{array}{r} \text{H T O} \\ 4 \ 0 \ 2 \\ \times 2 \\ \hline 8 \ 0 \ 4 \end{array}$$
- (g)
$$\begin{array}{r} \text{H T O} \\ 4 \ 0 \ 4 \\ \times 2 \\ \hline 8 \ 0 \ 8 \end{array}$$
- (h)
$$\begin{array}{r} \text{H T O} \\ 3 \ 4 \ 1 \\ \times 2 \\ \hline 6 \ 8 \ 2 \end{array}$$
- (i)
$$\begin{array}{r} \text{H T O} \\ 2 \ 3 \ 3 \\ \times 3 \\ \hline 6 \ 9 \ 9 \end{array}$$
- (j)
$$\begin{array}{r} \text{H T O} \\ 2 \ 2 \ 2 \\ \times 4 \\ \hline 8 \ 8 \ 8 \end{array}$$
- (k)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 1 \ 2 \ 3 \\ \times 4 \\ \hline 4 \ 9 \ 2 \end{array}$$
- (l)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 2 \ 2 \ 6 \\ \times 3 \\ \hline 6 \ 7 \ 8 \end{array}$$
- (m)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 3 \ 5 \ 1 \\ \times 2 \\ \hline 7 \ 0 \ 2 \end{array}$$
- (n)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 1 \ 5 \ 2 \\ \times 4 \\ \hline 6 \ 0 \ 8 \end{array}$$
- (o)
$$\begin{array}{r} \text{H T O} \\ 2 \ 0 \ 7 \\ \times 4 \\ \hline 8 \ 2 \ 8 \end{array}$$
- (p)
$$\begin{array}{r} \text{H T O} \\ 2 \ 1 \ 3 \\ \times 5 \\ \hline 1 \ 0 \ 6 \ 5 \end{array}$$
- (q)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \ \textcircled{1} \\ 2 \ 5 \ 4 \\ \times 3 \\ \hline 7 \ 6 \ 2 \end{array}$$
- (r)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 3 \ 4 \ 6 \\ \times 2 \\ \hline 6 \ 9 \ 2 \end{array}$$
- (s)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 2 \ 2 \ 4 \\ \times 3 \\ \hline 6 \ 7 \ 2 \end{array}$$
- (t)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 2 \ 6 \ 2 \\ \times 3 \\ \hline 7 \ 8 \ 6 \end{array}$$

2. (a)
$$\begin{array}{r} \text{H T O} \\ 1 \ 3 \ 1 \\ \times \ 3 \\ \hline 3 \ 9 \ 3 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ 2 \ 2 \ 4 \\ \times \ 2 \\ \hline 4 \ 4 \ 8 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ 3 \ 2 \ 3 \\ \times \ 3 \\ \hline 9 \ 6 \ 9 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ 1 \ 3 \ 0 \\ \times \ 2 \\ \hline 2 \ 6 \ 0 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 1 \ 0 \ 1 \\ \times \ 6 \\ \hline 6 \ 0 \ 6 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ 2 \ 0 \ 2 \\ \times \ 4 \\ \hline 8 \ 0 \ 8 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ 7 \ 8 \ 6 \\ \times \ 1 \\ \hline 7 \ 8 \ 6 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ 4 \ 3 \ 1 \\ \times \ 2 \\ \hline 8 \ 6 \ 2 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \ \textcircled{1} \\ 2 \ 5 \ 8 \\ \times \ 2 \\ \hline 5 \ 1 \ 6 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \ \textcircled{3} \\ 1 \ 6 \ 9 \\ \times \ 4 \\ \hline 6 \ 7 \ 6 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \ \textcircled{2} \\ 1 \ 7 \ 4 \\ \times \ 5 \\ \hline 8 \ 7 \ 0 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \ \textcircled{1} \\ 1 \ 6 \ 3 \\ \times \ 6 \\ \hline 9 \ 7 \ 8 \end{array}$$

(m)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \ \textcircled{2} \\ 1 \ 2 \ 3 \\ \times \ 8 \\ \hline 9 \ 8 \ 4 \end{array}$$

(n)
$$\begin{array}{r} \text{H T O} \\ 1 \ 0 \ 5 \\ \times \ 9 \\ \hline 9 \ 4 \ 5 \end{array}$$

(o)
$$\begin{array}{r} \text{H T O} \\ 1 \ 0 \ 7 \\ \times \ 7 \\ \hline 7 \ 4 \ 9 \end{array}$$

(p)
$$\begin{array}{r} \text{H T O} \\ \textcircled{2} \ \textcircled{3} \\ 1 \ 3 \ 6 \\ \times \ 6 \\ \hline 8 \ 1 \ 6 \end{array}$$

(q)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \ \textcircled{1} \\ 1 \ 5 \ 3 \\ \times \ 6 \\ \hline 9 \ 1 \ 8 \end{array}$$

(r)
$$\begin{array}{r} \text{H T O} \\ \textcircled{4} \ \textcircled{2} \\ 1 \ 8 \ 4 \\ \times \ 5 \\ \hline 9 \ 2 \ 0 \end{array}$$

(s)
$$\begin{array}{r} \text{H T O} \\ \textcircled{4} \\ 1 \ 5 \ 1 \\ \times \ 8 \\ \hline 1 \ 2 \ 0 \ 8 \end{array}$$

(t)
$$\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 2 \ 3 \ 8 \\ \times \ 4 \\ \hline 9 \ 5 \ 2 \end{array}$$

Page-98

1. (a)
$$\begin{array}{r} \ 5 \ 1 \\ \times \ 1 \ 0 \\ \hline \ 0 \ 0 \\ + \ 5 \ 1 \times \\ \hline 5 \ 1 \ 0 \end{array}$$

(b)
$$\begin{array}{r} \ 4 \ 4 \\ \times \ 1 \ 0 \\ \hline \ 0 \ 0 \\ + \ 4 \ 4 \times \\ \hline 4 \ 4 \ 0 \end{array}$$

(c)
$$\begin{array}{r} \ 3 \ 1 \\ \times \ 2 \ 0 \\ \hline \ 0 \ 0 \\ + \ 6 \ 2 \times \\ \hline 6 \ 2 \ 0 \end{array}$$

(d)
$$\begin{array}{r} \ 3 \ 6 \\ \times \ 2 \ 0 \\ \hline \ 0 \ 0 \\ + \ 7 \ 2 \times \\ \hline 7 \ 2 \ 0 \end{array}$$

(e)
$$\begin{array}{r} \ 2 \ 8 \\ \times \ 1 \ 0 \\ \hline \ 0 \ 0 \\ + \ 2 \ 8 \times \\ \hline 2 \ 8 \ 0 \end{array}$$

(f)
$$\begin{array}{r} \ 9 \ 9 \\ \times \ 1 \ 0 \\ \hline \ 0 \ 0 \\ + \ 9 \ 9 \times \\ \hline 9 \ 9 \ 0 \end{array}$$

$$\begin{array}{r}
 \text{(g)} \qquad \qquad 8 \ 2 \\
 \qquad \times \ 2 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 1 \ 6 \ 4 \times \\
 \hline
 1 \ 6 \ 4 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(h)} \qquad \qquad 3 \ 3 \\
 \qquad \times \ 3 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 9 \ 9 \times \\
 \hline
 9 \ 9 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(i)} \qquad \qquad 5 \ 6 \\
 \qquad \times \ 4 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 2 \ 2 \ 4 \times \\
 \hline
 2 \ 2 \ 4 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(j)} \qquad \qquad 6 \ 2 \\
 \qquad \times \ 5 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 3 \ 1 \ 0 \times \\
 \hline
 3 \ 1 \ 0 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(k)} \qquad \qquad 2 \ 6 \\
 \qquad \times \ 3 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 7 \ 8 \times \\
 \hline
 7 \ 8 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(l)} \qquad \qquad 4 \ 3 \\
 \qquad \times \ 4 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 1 \ 7 \ 2 \times \\
 \hline
 1 \ 7 \ 2 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(m)} \qquad \qquad 3 \ 2 \\
 \qquad \times \ 5 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 1 \ 6 \ 0 \times \\
 \hline
 1 \ 6 \ 0 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(n)} \qquad \qquad 4 \ 8 \\
 \qquad \times \ 2 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 9 \ 6 \times \\
 \hline
 9 \ 6 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(o)} \qquad \qquad 5 \ 8 \\
 \qquad \times \ 1 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 5 \ 8 \times \\
 \hline
 5 \ 8 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{(p)} \qquad \qquad 2 \ 4 \\
 \qquad \times \ 8 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 1 \ 9 \ 2 \times \\
 \hline
 1 \ 9 \ 2 \ 0
 \end{array}$$

2. (a) $35 \times 10 = \mathbf{350}$

(b) $50 \times 50 = \mathbf{2500}$

$$\begin{array}{r}
 \qquad \qquad 5 \ 2 \\
 \qquad \times \ 5 \ 0 \\
 \hline
 \qquad \qquad 0 \ 0 \\
 + \ 2 \ 5 \ 0 \times \\
 \hline
 2 \ 5 \ 0 \ 0
 \end{array}$$

(c) $70 \times 70 = \mathbf{4900}$

$$\begin{array}{r} 70 \\ \times 70 \\ \hline 00 \\ 490 \times \\ \hline 4900 \end{array}$$

(e) $42 \times 30 = \mathbf{1260}$

$$\begin{array}{r} 42 \\ \times 30 \\ \hline 00 \\ + 126 \times \\ \hline 1260 \end{array}$$

(g) $75 \times 10 = \mathbf{750}$

(i) $285 \times 20 = \mathbf{5700}$

$$\begin{array}{r} 285 \\ \times 20 \\ \hline 000 \\ 570 \times \\ \hline 5700 \end{array}$$

(k) $25 \times 40 = \mathbf{1000}$

$$\begin{array}{r} 25 \\ \times 40 \\ \hline 00 \\ 100 \times \\ \hline 1000 \end{array}$$

(m) $100 \times 10 = \mathbf{1000}$

(o) $20 \times 20 = \mathbf{400}$

$$\begin{array}{r} 20 \\ \times 20 \\ \hline 00 \\ + 40 \times \\ \hline 400 \end{array}$$

(d) $22 \times 20 = \mathbf{440}$

$$\begin{array}{r} 22 \\ \times 20 \\ \hline 00 \\ 44 \times \\ \hline 440 \end{array}$$

(f) $26 \times 40 = \mathbf{1040}$

$$\begin{array}{r} 26 \\ \times 40 \\ \hline 00 \\ 104 \times \\ \hline 1040 \end{array}$$

(h) $11 \times 60 = \mathbf{660}$

$$\begin{array}{r} 11 \\ \times 60 \\ \hline 00 \\ 66 \times \\ \hline 660 \end{array}$$

(j) $515 \times 10 = \mathbf{5150}$

(l) $620 \times 20 = \mathbf{12400}$

$$\begin{array}{r} 620 \\ \times 20 \\ \hline 000 \\ 1240 \times \\ \hline 12400 \end{array}$$

(n) $170 \times 10 = \mathbf{1700}$

(n) $45 \times 20 = \mathbf{900}$

$$\begin{array}{r} 45 \\ \times 20 \\ \hline 00 \\ + 90 \times \\ \hline 900 \end{array}$$

1. (a)
$$\begin{array}{r} 18 \\ \times 200 \\ \hline 00 \\ 00 \times \\ \hline 56 \times \times \\ \hline 5600 \end{array}$$

(b)
$$\begin{array}{r} 21 \\ \times 100 \\ \hline 00 \\ 00 \times \\ \hline 21 \times \times \\ \hline 2100 \end{array}$$

(c)
$$\begin{array}{r} 32 \\ \times 300 \\ \hline 00 \\ 00 \times \\ \hline 66 \times \times \\ \hline 6600 \end{array}$$

(d)
$$\begin{array}{r} 32 \\ \times 100 \\ \hline 00 \\ 00 \times \\ \hline 32 \times \times \\ \hline 3200 \end{array}$$

(e)
$$\begin{array}{r} 18 \\ \times 400 \\ \hline 00 \\ 00 \times \\ \hline 72 \times \times \\ \hline 7200 \end{array}$$

(f)
$$\begin{array}{r} 22 \\ \times 300 \\ \hline 00 \\ 00 \times \\ \hline 66 \times \times \\ \hline 6600 \end{array}$$

(g)
$$\begin{array}{r} 30 \\ \times 200 \\ \hline 00 \\ 00 \times \\ \hline 60 \times \times \\ \hline 6000 \end{array}$$

(h)
$$\begin{array}{r} 72 \\ \times 600 \\ \hline 00 \\ 00 \times \\ \hline 432 \times \times \\ \hline 43200 \end{array}$$

(i)
$$\begin{array}{r} 16 \\ \times 400 \\ \hline 00 \\ 00 \times \\ \hline 64 \times \times \\ \hline 6400 \end{array}$$

2. (a) $52 \times 100 = \mathbf{5200}$

(b) $70 \times 200 = \mathbf{14000}$

$$\begin{array}{r} 70 \\ \times 200 \\ \hline 00 \\ 00 \times \\ \hline 140 \times \times \\ \hline 14000 \end{array}$$

(c) $80 \times 300 = \mathbf{24000}$

$$\begin{array}{r} 80 \\ \times 300 \\ \hline 00 \\ 00 \times \\ \hline 240 \times \times \\ \hline 24000 \end{array}$$

(d) $30 \times 100 = \mathbf{3000}$

(e) $82 \times 200 = \mathbf{16400}$

$$\begin{array}{r} 82 \\ \times 200 \\ \hline 00 \\ 00 \times \\ 164 \times \times \\ \hline 16400 \end{array}$$

(g) $240 \times 100 = \mathbf{24000}$

(i) $280 \times 300 = \mathbf{84000}$

$$\begin{array}{r} 280 \\ \times 300 \\ \hline 000 \\ 000 \times \\ 840 \times \times \\ \hline 84000 \end{array}$$

(f) $42 \times 200 = \mathbf{8400}$

$$\begin{array}{r} 42 \\ \times 200 \\ \hline 00 \\ 00 \times \\ 84 \times \times \\ \hline 8400 \end{array}$$

(h) $550 \times 100 = \mathbf{55000}$

(j) $400 \times 200 = \mathbf{80000}$

$$\begin{array}{r} 400 \\ \times 200 \\ \hline 000 \\ 000 \times \\ 800 \times \times \\ \hline 80000 \end{array}$$

Word Problems

1. Pencils in the box =
 Number of boxes =
 Total number of pencils =
 $\therefore$ Total pencils in box **60**

H T O

1 0

$\times 6$

6 0

2. Number of pages =
 Stamps on one page =

 Total number of stamps =
 $\therefore$ There are **960** stamps in album

H T O

4 8

$\times 20$

0 0

9 6 $\times$

9 6 0

3. Children in each section =
 Number of sections =
 Total number of children =
 $\therefore$ 80 children took part in song competition

H T O

1 6

$\times 5$

8 0

4. Number of friends =
 Number of tickets each friend buys =
 Total number of tickets bought =
 $\therefore$ They buy **160** tickets

H T O

2 0

$\times 8$

1 6 0

	H	T	O
5. Toffees bought =		1	8
Cost of each toffees =		×	2
All toffees costs =		<u>₹</u>	<u>3 6</u>
∴ All toffees cost ₹ 36			

	H	T	O
6. Flowers in each row =		3	6
Rows =		×	5
Total flowers =		<u>1</u>	<u>8 0</u>
∴ There are 180 flowers in 5 rows			

	H	T	O
7. Pencils in each packet =		2	5
Number of packets =		×	8
Total pencils =		<u>2</u>	<u>0 0</u>
∴ There are 200 pencils in 8 packets			

	H	T	O
8. Marbles in each bag =		3	5
Bags =		×	7
∴ Total marbles =		<u>2</u>	<u>4 5</u>
∴ There are 24 marbles in 7 bags			

	H	T	O
9. Footballs in each box =		1	5
Boxes =		×	9
Total footballs =		<u>1</u>	<u>3 5</u>
∴ There are 135 footballs in 9 boxes			

	H	T	O
10. Eggs in each carton =		6	4
Cartons =		×	9
Total eggs =		<u>5</u>	<u>7 6</u>
∴ There are 576 eggs in 9 cartons			

	H	T	O
11. Total weeks =		5	2
Days in each week =		×	7
Total days =		<u>3</u>	<u>6 4</u>
∴ There are 364 days in 52 weeks			

	H	T	O
12. Flowers in each garland =		3	2
Garlands =		×	5
Total flowers =		<u>1</u>	<u>6 0</u>
∴ There are 160 flowers in 5 garlands			



		H	T	O
13. Benches in class	=		2	8
Students sit in each bench	=		×	3
Total students	=		8	4

∴ **84** students can sit on 28 benches

		H	T	O
14. Kites in each bundle	=		1	2
Bundles	=		×	5
Total kites	=		6	0

∴ **600** kites can be packed in 5 bundles

		H	T	O
15. Books in each shelf	=		1	6
Shelves	=		×	4
Total books	=		6	5

∴ There are **656** books in all in library

		Th	H	T	O
16. Ram travelled distance	=		7	8	4
Ram travelled distance by train	=		−	5	6
Distance travelled by bus	=		2	1	7

∴ Ram travelled **2177** km by bus

		Th	H	T	O
17. Train can hold people	=		2	3	4
People travelled on Sunday	=		−	1	6
More people can travel	=		6	6	9

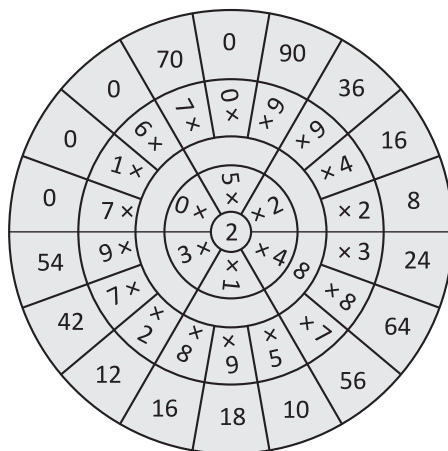
∴ **669** more people can travel on train

MCQs

- (b) $9+9+9+9+9+9+9=9 \times 7$
- (c) $8 \times 7 = 56$
- (a) $251 \times 1 = 251$
- (c) $25 \times 3 = 75$
- (c) 5 5

$$\begin{array}{r} \times 6 \\ 330 \end{array}$$

Mental Maths



Test Exercise

- $2 + 2 + 2 = 3 \times 2 = 6$
 - $5 + 5 + 5 + 5 = 4 \times 5 = 20$
- $7 \times 2 = 14$
 - $8 \times 5 = 40$
 - $8 \times 10 = 80$
 - $4 \times 5 = 20$
 - $6 \times 5 = 30$
 - $8 \times 2 = 16$
 - $9 \times 2 = 18$
 - $10 \times 10 = 100$
 - $6 \times 10 = 60$
- $$\begin{array}{r} 1 \ 4 \\ \times 2 \\ \hline 2 \ 8 \end{array}$$
 - $$\begin{array}{r} \ 6 \\ \times 4 \\ \hline \ 4 \end{array}$$
 - $$\begin{array}{r} \ 7 \\ \times 5 \\ \hline 3 \ 5 \end{array}$$
 - $$\begin{array}{r} \ 9 \\ \times 0 \\ \hline 0 \end{array}$$
 - $$\begin{array}{r} 1 \ 0 \\ \times 9 \\ \hline 9 \ 0 \end{array}$$
 - $$\begin{array}{r} 1 \ 0 \\ \times 5 \\ \hline 5 \ 0 \end{array}$$
 - $$\begin{array}{r} 2 \ 1 \\ \times 4 \\ \hline 8 \ 4 \end{array}$$
 - $$\begin{array}{r} 2 \ 3 \\ \times 3 \\ \hline 6 \ 9 \end{array}$$
- Beads in each earrings = 2

Number of earrings = $\times 6$

Total beads = $\underline{12}$

$6 \otimes 2 = 12$

$\therefore$ 12 beads in 6 earrings
 - People in a car = 5

Cars = $\times 3$

Total people = $\underline{15}$

$3 \otimes 5 = 15$

$\therefore$ 15 people in 3 cars

Page-107

1. (b) $5 \times 3 = 15$ $3 \times 5 = 15$ $15 \div 3 = 5$ $15 \div 5 = 3$
 (c) $9 \times 2 = 18$ $2 \times 9 = 18$ $18 \div 2 = 9$ $18 \div 9 = 2$
 (d) $4 \times 10 = 40$ $10 \times 4 = 40$ $40 \div 10 = 4$ $40 \div 4 = 10$
 (e) $7 \times 3 = 21$ $3 \times 7 = 21$ $21 \div 7 = 3$ $21 \div 3 = 7$
 (f) $9 \times 8 = 72$ $8 \times 9 = 72$ $72 \div 9 = 8$ $72 \div 8 = 9$

Multiplication facts

Division facts

2. (a) $40 \div 5 = 8$
 $8 \times 5 = 40$
 $5 \times 8 = 40$
 (b) $72 \div 9 = 8$
 $8 \times 9 = 72$
 $9 \times 8 = 72$
 (c) $35 \div 5 = 7$
 $7 \times 5 = 35$
 $5 \times 7 = 35$
 (d) $36 \div 4 = 9$
 $9 \times 4 = 36$
 $4 \times 9 = 36$
 (e) $60 \div 10 = 6$
 $10 \times 6 = 60$
 $6 \times 10 = 60$
 (f) $56 \div 8 = 7$
 $8 \times 7 = 56$
 $7 \times 8 = 56$
 (g) $21 \div 3 = 7$
 $7 \times 3 = 21$
 $3 \times 7 = 21$
- $8 \times 5 = 40$
 $40 \div 8 = 5$
 $40 \div 5 = 8$
 $8 \times 9 = 72$
 $72 \div 9 = 8$
 $72 \div 8 = 9$
 $5 \times 7 = 35$
 $35 \div 7 = 5$
 $35 \div 5 = 7$
 $9 \times 4 = 36$
 $36 \div 4 = 9$
 $36 \div 9 = 4$
 $10 \times 6 = 60$
 $60 \div 6 = 10$
 $60 \div 10 = 6$
 $7 \times 8 = 56$
 $56 \div 8 = 7$
 $56 \div 7 = 8$
 $3 \times 7 = 21$
 $21 \div 3 = 7$
 $21 \div 7 = 3$

(h) $45 \div 5 = 9$

$9 \times 5 = 45$

$5 \times 9 = 45$

(i) $44 \div 11 = 4$

$11 \times 4 = 44$

$4 \times 11 = 44$

(j) $63 \div 9 = 7$

$9 \times 7 = 63$

$7 \times 9 = 63$

(k) $45 \div 6 = 7$

$6 \times 7 = 42$

$7 \times 6 = 42$

$9 \times 5 = 45$

$45 \div 9 = 5$

$45 \div 5 = 9$

$4 \times 11 = 44$

$44 \div 4 = 11$

$44 \div 11 = 4$

$7 \times 9 = 63$

$63 \div 9 = 7$

$63 \div 7 = 9$

$7 \times 6 = 42$

$42 \div 7 = 6$

$42 \div 6 = 7$

Page-109

Division by grouping

(a) $15 \div 3 = 5$

(c) $12 \div 3 = 4$

(e) $18 \div 6 = 3$

(b) $64 \div 8 = 8$

(d) $16 \div 4 = 4$

(f) $15 \div 5 = 3$

Division by repeated subtraction

(b) $25 \div 5 = 5$

T	O	
2	5	
-	5	1st time
2	0	
-	5	2nd time
1	5	
-	5	3rd time
1	0	
-	5	4th time
	5	
-	5	5th time
	0	

Page-112

(c) $40 \div 8 = 5$

T	O	
4	0	
-	8	1st time
3	2	
-	8	2nd time
2	4	
-	8	3rd time
1	6	
-	8	4th time
	8	
-	8	5th time
	0	

(d) $12 \div 2 = 6$

T O	
1 2	
- 2	1st time
1 0	
- 2	2nd time
8	
- 2	3rd time
6	
- 2	4th time
4	
- 2	5th time
2	
- 2	6th time
0	

2. (a) $12 - 3 = 9$ 1 time

$9 - 3 = 6$ 2 time

$6 - 3 = 3$ 3 time

$3 - 3 = 0$ 4 time

$\therefore 12 \div 3 = 4$

(c) $10 - 2 = 8$ 1 time

$8 - 2 = 6$ 2 time

$6 - 2 = 4$ 3 time

$4 - 2 = 2$ 4 time

$2 - 2 = 0$ 5 time

$\therefore 10 \div 2 = 5$

(e) $14 - 7 = 7$ 1 time

$7 - 7 = 0$ 2 time

$\therefore 14 \div 7 = 2$

(b) $20 - 5 = 15$ 1 time

$15 - 5 = 10$ 2 time

$10 - 5 = 5$ 3 time

$5 - 5 = 0$ 4 time

$\therefore 20 \div 5 = 4$

(d) $36 - 9 = 27$ 1 time

$27 - 9 = 18$ 2 time

$18 - 9 = 9$ 3 time

$9 - 9 = 0$ 4 time

$\therefore 36 \div 9 = 4$

(f) $16 - 4 = 12$ 1 time

$12 - 4 = 8$ 2 time

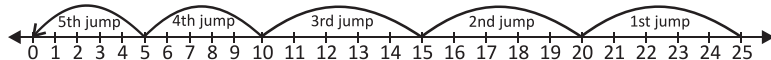
$8 - 4 = 4$ 3 time

$4 - 4 = 0$ 4 time

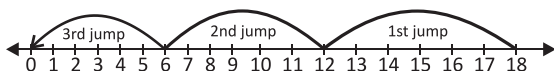
$\therefore 16 \div 4 = 4$

Page-114

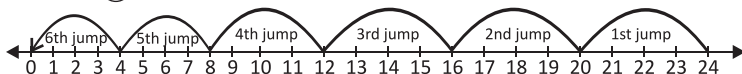
(a) $25 \div 5 = 5$



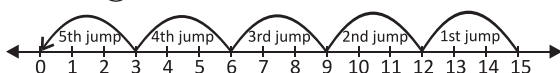
(b) $18 \div 6 = \textcircled{3}$



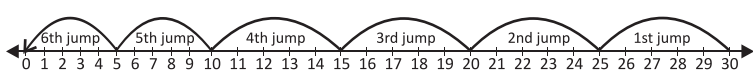
(c) $24 \div 4 = \textcircled{6}$



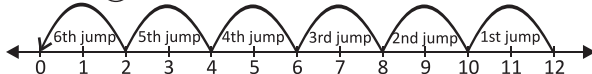
(d) $15 \div 3 = \textcircled{5}$



(e) $30 \div 5 = \textcircled{6}$



(f) $12 \div 2 = \textcircled{6}$



Page-116

1. (a) $9 \div 9 = \textcircled{1}$ (b) $24 \div 1 = \textcircled{24}$ (c) $20 \div 10 = \textcircled{2}$ (d) $0 \div 7 = \textcircled{0}$
 (e) $32 \div 32 = \textcircled{1}$ (f) $118 \div 1 = \textcircled{118}$ (g) $30 \div 10 = \textcircled{3}$ (h) $0 \div 110 = \textcircled{0}$
 (i) $95 \div 95 = \textcircled{1}$ (j) $419 \div 1 = \textcircled{419}$ (k) $60 \div 10 = \textcircled{6}$ (l) $0 \div 59 = \textcircled{0}$
 (m) $95 \div 95 = \textcircled{1}$ (n) $419 \div 1 = \textcircled{419}$ (o) $60 \div 10 = \textcircled{6}$
2. (a) $93 \div \textcircled{1} = 93$ (b) $\textcircled{75} \div 1 = 75$ (c) $50 \div \textcircled{10} = 5$ (d) $\textcircled{0} \div 37 = 0$
 (e) $66 \div \textcircled{66} = 1$ (f) $121 \div \textcircled{1} = 121$
 (g) $623 \div \textcircled{623} = 1$ (h) $\textcircled{0} \div 55 = 0$
 (i) $\textcircled{0} \div 98 = 0$ (j) $\textcircled{9} \div 1 = 9$ (k) $900 \div \textcircled{900} = 1$
 (l) $375 \div 1 = \textcircled{375}$ (m) $842 \div 842 = \textcircled{1}$
 (n) $\textcircled{0} \div 333 = 0$ (o) $78 \div \textcircled{1} = 78$
3. (a) $6 \textcircled{\times} 5 = 30$ (b) $48 \textcircled{\div} 6 = 2 \textcircled{\times} 4$
 (c) $63 \textcircled{\div} 9 = 7$ (d) $0 \textcircled{\times} 39 = 0$
 (e) $22 \textcircled{\times} 0 = 0$ (f) $25 \textcircled{\times} 4 = 100$
 (g) $56 \textcircled{\div} 7 = 2 \textcircled{\times} 4$ (h) $8 \textcircled{\times} 0 = 0 \times 15$
 (i) $81 \textcircled{\div} 9 = 3 \textcircled{\times} 3$ (j) $88 \textcircled{\div} 4 = \textcircled{22}$

1. (a) $8 \div 4 = 2$ (b) $16 \div 2 = 8$ (c) $20 \div 5 = 4$ (d) $4 \div 2 = 2$
 (e) $36 \div 6 = 6$ (f) $12 \div 4 = 3$ (g) $20 \div 5 = 4$ (h) $45 \div 9 = 5$
 (i) $5 \div 5 = 1$ (j) $40 \div 8 = 5$ (k) $28 \div 7 = 4$ (l) $30 \div 10 = 3$
2. (a) dividend = 18, divisor = 2, quotient = 9 $\rightarrow 18 \div 2 = 9$
 (b) dividend = 36, divisor = 6, quotient = 6 $\rightarrow 36 \div 6 = 6$
 (c) dividend = 42, divisor = 7, quotient = 6 $\rightarrow 42 \div 7 = 6$
 (d) $64 \div 8 = 8 \rightarrow$ dividend = 64, divisor = 8, quotient = 8
 (e) $21 \div 3 = 7 \rightarrow$ dividend = 21, divisor = 3, quotient = 7
 (f) $45 \div 9 = 5 \rightarrow$ dividend = 45, divisor = 9, quotient = 5
- 3.

	Sums	Dividend	Divisor	Quotient
a.	$36 \div 6 = 6$	36	6	6
b.	$72 \div 8 = 9$	72	8	9
c.	$30 \div 5 = 6$	30	5	6
d.	$63 \div 7 = 9$	63	7	9
e.	$64 \div 8 = 8$	64	8	8
f.	$48 \div 6 = 8$	48	6	8
g.	$81 \div 9 = 9$	81	9	9
h.	$54 \div 6 = 9$	54	6	9
i.	$42 \div 7 = 6$	42	7	6
j.	$24 \div 3 = 8$	24	3	8
k.	$36 \div 9 = 4$	36	9	4
l.	$60 \div 6 = 10$	60	6	10
m.	$54 \div 6 = 9$	54	6	9
n.	$66 \div 11 = 6$	66	11	6
o.	$35 \div 5 = 7$	35	5	7
p.	$28 \div 4 = 7$	28	4	7
q.	$21 \div 3 = 7$	21	3	7
r.	$64 \div 8 = 8$	64	8	8
s.	$30 \div 5 = 6$	30	5	6
t.	$96 \div 12 = 8$	96	12	8

Divide

1. (b) $24 \div 3$

$$\begin{array}{r} 8 \\ 3 \overline{)24} \\ \underline{-24} \\ 0 \end{array} \quad (3 \times 8 = 24)$$

Quotient = $\boxed{8}$

(d) $48 \div 6$

$$\begin{array}{r} 8 \\ 6 \overline{)48} \\ \underline{-48} \\ 0 \end{array} \quad (6 \times 8 = 48)$$

Quotient = $\boxed{8}$

(f) $56 \div 7$

$$\begin{array}{r} 8 \\ 7 \overline{)56} \\ \underline{-56} \\ 0 \end{array} \quad (7 \times 8 = 56)$$

Quotient = $\boxed{8}$

(h) $40 \div 4$

$$\begin{array}{r} 10 \\ 4 \overline{)40} \\ \underline{-40} \\ 0 \end{array} \quad (4 \times 10 = 40)$$

Quotient = $\boxed{10}$

2. (b)

$$\begin{array}{r} 7 \\ 9 \overline{)63} \\ \underline{-63} \\ 0 \end{array}$$

Check $\boxed{9 \times 7 = 63}$

(d)

$$\begin{array}{r} 9 \\ 8 \overline{)72} \\ \underline{-72} \\ 0 \end{array}$$

Check $\boxed{8 \times 9 = 72}$

(c) $35 \div 5$

$$\begin{array}{r} 7 \\ 5 \overline{)35} \\ \underline{-35} \\ 0 \end{array} \quad (5 \times 7 = 35)$$

Quotient = $\boxed{7}$

(e) $54 \div 9$

$$\begin{array}{r} 6 \\ 9 \overline{)54} \\ \underline{-54} \\ 0 \end{array} \quad (9 \times 6 = 54)$$

Quotient = $\boxed{6}$

(g) $28 \div 7$

$$\begin{array}{r} 4 \\ 7 \overline{)28} \\ \underline{-28} \\ 0 \end{array} \quad (7 \times 4 = 28)$$

Quotient = $\boxed{4}$

(i) $81 \div 9$

$$\begin{array}{r} 9 \\ 9 \overline{)81} \\ \underline{-81} \\ 0 \end{array} \quad (9 \times 9 = 81)$$

Quotient = $\boxed{9}$

(c)

$$\begin{array}{r} 8 \\ 6 \overline{)48} \\ \underline{-48} \\ 0 \end{array}$$

Check $\boxed{6 \times 8 = 48}$

(e)

$$\begin{array}{r} 6 \\ 7 \overline{)42} \\ \underline{-42} \\ 0 \end{array}$$

Check $\boxed{7 \times 6 = 42}$

(f)

$$\begin{array}{r} 6 \\ 4 \overline{) 24} \\ -24 \\ \hline 0 \end{array}$$

Check $4 \times 6 = 24$

Word Problems

1. Bouquets = 56

People = 7

$$\therefore 56 \div 7 = 8$$

8 bouquets will be left

$$\begin{array}{r} 8 \\ 7 \overline{) 56} \\ -56 \\ \hline 0 \end{array}$$

2. Total sandwiches = 50

Children = 10

$$\therefore 50 \div 10 = 5$$

Each child got 5 sandwiches

$$\begin{array}{r} 5 \\ 10 \overline{) 50} \\ -50 \\ \hline 0 \end{array}$$

3. Total stamps = 72

Pages = 9

$$\therefore 72 \div 9 = 8$$

She can paste 8 stamps on each page

$$\begin{array}{r} 8 \\ 9 \overline{) 72} \\ -72 \\ \hline 0 \end{array}$$

4. Total runs made = 48

Players = 6

$$\therefore 48 \div 6 = 8$$

Each player made 8 runs

$$\begin{array}{r} 8 \\ 6 \overline{) 48} \\ -48 \\ \hline 0 \end{array}$$

5. Mangoes bought = 25

Members = 5

$$\therefore 25 \div 5 = 5$$

Each member got 5 mangoes

$$\begin{array}{r} 5 \\ 5 \overline{) 25} \\ -25 \\ \hline 0 \end{array}$$

6. Total cost = ₹ 36

Pencils = 6

$$\therefore 36 \div 6 = 6$$

One pencil cost ₹ 6

$$\begin{array}{r} 6 \\ 6 \overline{) 36} \\ -36 \\ \hline 0 \end{array}$$

7. Mangoes = 56

Friends = 7

$$\therefore 56 \div 7 = 8$$

Each friend get 8 mangoes

$$\begin{array}{r} 8 \\ 7 \overline{) 56} \\ -56 \\ \hline 0 \end{array}$$

8. Fees paid = ₹ 45

Friends = 5

$$\therefore 45 \div 5 = 9$$

One ticket costs ₹ 9

$$\begin{array}{r} 9 \\ 5 \overline{) 45} \\ -45 \\ \hline 0 \end{array}$$

9. Total seats = 72

Seats in a row = 9

$$\therefore 72 \div 9 = 8$$

Number of rows = 8

$$\begin{array}{r} 8 \\ 9 \overline{) 72} \\ -72 \\ \hline 0 \end{array}$$

MCQs

- (a) • (c) • (b) • (c) • (a)

Test Exercise

1. (a) $18 \div 6 = 3$ (b) $40 \div 5 = 8$ (c) $35 \div 7 = 5$ (d) $48 \div 6 = 8$

$$\begin{array}{r} 3 \\ 6 \overline{) 18} \\ -18 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8 \\ 5 \overline{) 40} \\ -40 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \\ 7 \overline{) 35} \\ -35 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8 \\ 6 \overline{) 48} \\ -48 \\ \hline 0 \end{array}$$

(e) $81 \div 9 = 9$ (f) $90 \div 10 = 9$ (g) $30 \div 6 = 5$ (h) $40 \div 5 = 8$

$$\begin{array}{r} 9 \\ 9 \overline{)81} \\ \underline{-81} \\ 0 \end{array}$$

$$\begin{array}{r} 9 \\ 10 \overline{)90} \\ \underline{-90} \\ 0 \end{array}$$

$$\begin{array}{r} 5 \\ 6 \overline{)30} \\ \underline{-30} \\ 0 \end{array}$$

$$\begin{array}{r} 8 \\ 5 \overline{)40} \\ \underline{-40} \\ 0 \end{array}$$

(i) $72 \div 8 = 9$ (j) $49 \div 7 = 7$ (k) $56 \div 8 = 7$ (l) $72 \div 9 = 8$

$$\begin{array}{r} 9 \\ 8 \overline{)72} \\ \underline{-72} \\ 0 \end{array}$$

$$\begin{array}{r} 7 \\ 7 \overline{)49} \\ \underline{-49} \\ 0 \end{array}$$

$$\begin{array}{r} 7 \\ 8 \overline{)56} \\ \underline{-56} \\ 0 \end{array}$$

$$\begin{array}{r} 8 \\ 9 \overline{)72} \\ \underline{-72} \\ 0 \end{array}$$

2. (a) $56 \div 6$

$$\begin{array}{r} 9 \\ 6 \overline{)56} \\ \underline{-54} \\ 2 \end{array}$$

Quotient = 9
Remainder = 2

(b) $83 \div 9$

$$\begin{array}{r} 9 \\ 9 \overline{)83} \\ \underline{-81} \\ 2 \end{array}$$

Quotient = 9
Remainder = 2

(c) $59 \div 9$

$$\begin{array}{r} 6 \\ 9 \overline{)59} \\ \underline{-54} \\ 5 \end{array}$$

Quotient = 6
Remainder = 5

(d) $66 \div 7$

$$\begin{array}{r} 9 \\ 7 \overline{)66} \\ \underline{-63} \\ 3 \end{array}$$

Quotient = 9
Remainder = 3

3. Total shirts = 234

Shirts in a packet = 9

Akash buy packets = $234 \div 9 = 29$

$$\begin{array}{r} 29 \\ 9 \overline{)234} \\ \underline{-18} \\ 54 \\ \underline{-54} \\ 0 \end{array}$$

4. Total trees = 84

Rows = 4

Trees in a row = $84 \div 4 = 21$

$$\begin{array}{r} 21 \\ 4 \overline{)84} \\ \underline{-8} \\ 04 \\ \underline{-04} \\ 0 \end{array}$$

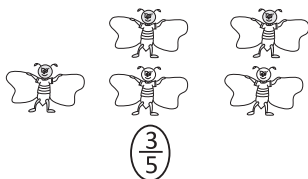
5. $83 \div 4$

$$\begin{array}{r} 20 \\ 4 \overline{)83} \\ \underline{-8} \\ 03 \end{array}$$

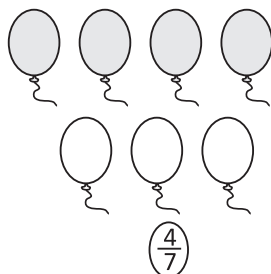
$\therefore$ Quotient = 20
Remainder = 3
Yes boy is correct

Page-126

1. (b)



(c)



2. (b) $\frac{1}{4}$

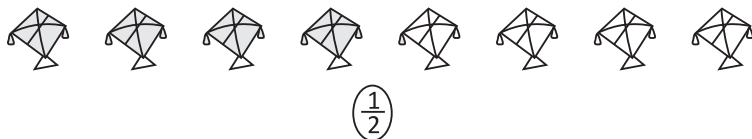
(c) $\frac{6}{8}$

(d) $\frac{2}{5}$

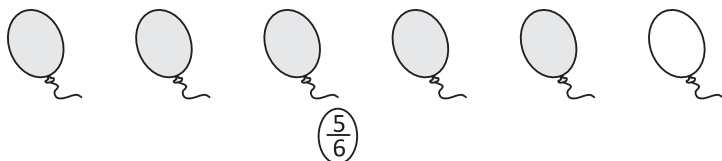
(e) $\frac{3}{6}$

(f) $\frac{4}{6}$

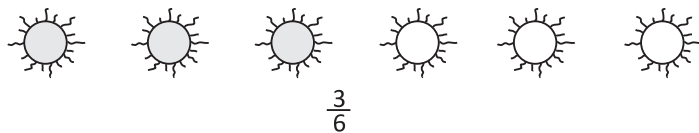
3.



4. (a)



(b)



5. (a) $\frac{3}{5}$ $\left(\frac{3}{4}\right)$ $\frac{1}{4}$

(b) $\frac{1}{3}$ $\left(\frac{2}{3}\right)$ $\frac{1}{2}$

(c) $\left(\frac{1}{2}\right)$ $\frac{1}{3}$ $\frac{1}{4}$

(d) $\left(\frac{3}{4}\right)$ $\frac{1}{3}$ $\frac{1}{4}$

1.

	Fraction	N	D		Fraction	N	D
(a)	$\frac{5}{7}$	5	7	(b)	$\frac{2}{9}$	2	9
(b)	$\frac{3}{7}$	3	7	(d)	$\frac{7}{8}$	7	8
(c)	$\frac{1}{9}$	1	9	(f)	$\frac{4}{9}$	4	9
(d)	$\frac{2}{5}$	2	5	(h)	$\frac{7}{11}$	7	11
(g)	$\frac{5}{12}$	5	12	(j)	$\frac{3}{13}$	3	13

2.

	N	D	Fraction		N	D	Fraction
(a)	5	6	$\frac{5}{6}$	(b)	3	8	$\frac{3}{8}$
(c)	6	7	$\frac{6}{7}$	(d)	5	9	$\frac{5}{9}$
(e)	6	13	$\frac{6}{13}$	(f)	8	17	$\frac{8}{17}$
(g)	9	11	$\frac{9}{11}$	(h)	7	11	$\frac{7}{11}$
(i)	6	17	$\frac{6}{17}$	(j)	5	13	$\frac{5}{13}$

3. (a) $\frac{4}{7}$ = four-sevenths or four by seven (b) $\frac{3}{5}$ = three-fifths or three by five
 (c) $\frac{6}{7}$ = six-sevenths or six by seven (d) $\frac{5}{9}$ = five-ninths or five by nine
 (e) $\frac{3}{8}$ = three-eighths or three by eight
 (f) $\frac{11}{12}$ = eleven-twelfths or eleven by twelve
 (g) $\frac{7}{13}$ = seven-thirteenths or seven by thirteen
 (h) $\frac{88}{11}$ = eighty-eight-elevenths or eighty eight by eleven

(i) $\frac{3}{7}$ = three-sevenths or three by seven

4. (a) two-fifths $\left(\frac{2}{5}\right)$

(b) six-sevenths $\left(\frac{6}{7}\right)$

(c) three-sixths $\left(\frac{3}{6}\right)$

(d) five-ninths $\left(\frac{5}{9}\right)$

(e) two-ninths $\left(\frac{2}{9}\right)$

(f) one-fifths $\left(\frac{1}{5}\right)$

(g) four-fifths $\left(\frac{4}{5}\right)$

(h) nine by twelve $\left(\frac{9}{12}\right)$

(i) five by sixteen $\left(\frac{5}{16}\right)$

(j) eight-ninths $\left(\frac{8}{9}\right)$

MCQs

- (a) • (a) • (c) • (a)

Mental Maths

(a) $\frac{1}{2} \frac{1}{3} \frac{1}{4}$
☒ ☐ ☐

(b) $\frac{1}{2} \frac{1}{3} \frac{1}{4}$
☐ ☒ ☐

(c) $\frac{1}{3} \frac{1}{3} \frac{1}{4}$
☐ ☐ ☒

(d) $\frac{1}{2} \frac{1}{3} \frac{1}{4}$
☒ ☐ ☐

Test Exercise

1. (a) $\frac{1}{10}$

(b) $\frac{1}{8}$

2. 5 make $\frac{1}{5}$ as whole

3. $\frac{1}{3}$ of our National is green

4. (a) $\frac{5}{6} + \frac{7}{6} = \frac{5+7}{6} = \left(\frac{12}{6}\right)$

(b) $\frac{3}{11} - \frac{1}{11} = \frac{3-1}{11} = \left(\frac{2}{11}\right)$

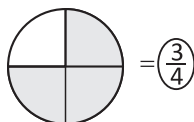
(c) $\frac{3}{4} + \frac{5}{4} = \frac{3+5}{4} = \left(\frac{8}{4}\right)$

(d) $\frac{7}{2} - \frac{5}{2} = \frac{7-5}{2} = \left(\frac{2}{2}\right)$

(e) $\frac{9}{7} + \frac{5}{7} = \frac{9+5}{7} = \left(\frac{14}{7}\right)$

(d) $\frac{13}{5} - \frac{8}{5} = \frac{13-8}{5} = \left(\frac{5}{5}\right)$

5.



6. (a) Each piece is called one-fourths or $\frac{1}{4}$

(b) Two halves make a **whole**

(c) **Fraction** means a part of the whole thing

○○○

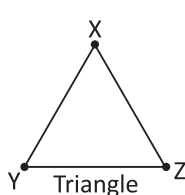
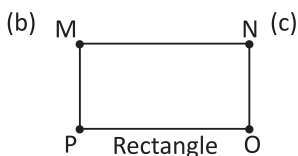
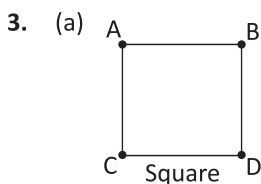
Page-133

1. Sleeping lines 4
Standing lines 5
Slanting lines 3

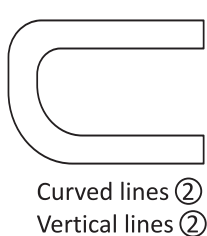
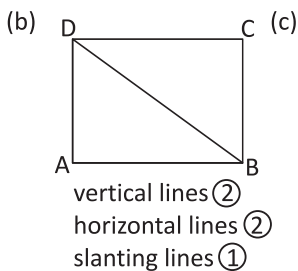
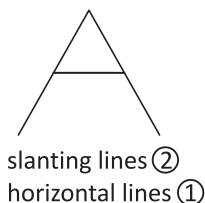
2. (a) Curved line

- (b) Straight line

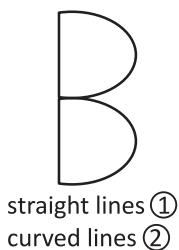
- (c) Curved line



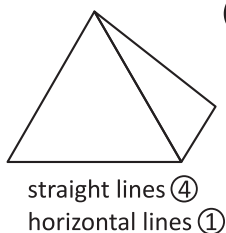
4. (a)



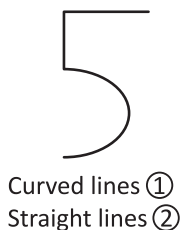
- (d)



- (e)



- (f)



Page-136

1. (a) Number of straight sides ④
Number of corners ④
Name of shape Rectangle
- (b) Number of curved sides ①
Number of corners zero
Name of shape circle

(c) Number of straight sides (4)
 Number of corners (4)
 Name of shape square

(d) Number of straight sides (3)
 Number of corners (3)
 Name of shape triangle

2. (a) Square (b) Triangle (c) Oval
 (d) Hexagon (e) Rectangle (f) Square
 (g) Triangle (h) Circle (i) Square

3.

Shape					
Name	Square	Rectangle	Circle	Triangle	Oval
Sides	4	4	0	3	0
Corners	4	4	0	3	0

Page-138

Solid-3d shapes

1. (a) Cylinder (b) Sphere (c) Cuboid
 2. book → cuboid
 gas cylinder → cylinder
 football → sphere
 dice → cube
 ice-cream → cone

Page-140

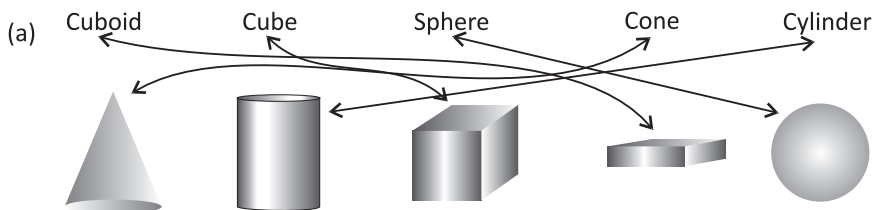
MCQs

- (b) • (b) • (b) • (c)

Mental Maths

1. Each of my faces is a square
 I am **cube**
 2. Each of my faces is a rectangle
 I am **cuboid**
 3. Children love to eat ice-cream in me
 I am **cone**
 4. I am like a ball, I am **sphere**
 5. A dice is a **cube**

Test Exercise



2. Sleeping lines (6)

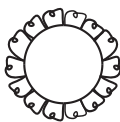
Standing lines (5)

Slanting lines (3)

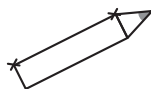
3. (a)



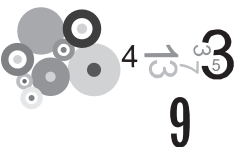
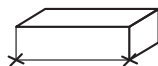
(b)



(c)



(d)



9

Measurements

Page-144

- (a) 2 cm (b) 4 cm (c) 6 cm (d) 7 cm

(e) 10 cm
- things whose length would be more than 1 m

(a) length of car (b) breadth of door

(c) height of room (d) height of elephant
- things whose length would be less than 1 m

(a) length of finger (b) length of pen

(c) length of book (d) length of tooth brush
- (a) The length of car **metre**

(b) The length of your pen **centimetre**

(c) The length of your spoon **centimetre**
- (a) metre (b) centimetre (c) centimetre (d) centimetre

(e) metre
- (a) AB = **4.3** cm (b) PQ = **5.6** cm (c) XY = **5** cm (d) LM = **6.9** cm

Page-147

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|-------|---|---|----|----|----|-------|--|------|----|-------|--|----|----|-----|---|---|----|----|----|-------|--|------|----|-------|--|----|----|-----|---|---|----|----|----|-------|--|------|----|-------|--|----|----|-----|---|---|----|----|----|-------|--|------|----|-------|--|----|----|
| (a) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>16</td><td>25</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 28</td><td>30</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>44</td><td>55</td></tr></table> | m | cm | 16 | 25 | <hr/> | | + 28 | 30 | <hr/> | | 44 | 55 | (b) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>65</td><td>31</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 34</td><td>22</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>99</td><td>53</td></tr></table> | m | cm | 65 | 31 | <hr/> | | + 34 | 22 | <hr/> | | 99 | 53 | (c) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>62</td><td>43</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 21</td><td>12</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>83</td><td>55</td></tr></table> | m | cm | 62 | 43 | <hr/> | | + 21 | 12 | <hr/> | | 83 | 55 | (d) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>21</td><td>20</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 15</td><td>25</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>36</td><td>45</td></tr></table> | m | cm | 21 | 20 | <hr/> | | + 15 | 25 | <hr/> | | 36 | 45 |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 28 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 44 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 34 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 99 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 21 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 15 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 36 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|-------|---|---|----|----|----|-------|--|------|----|-------|--|----|----|-----|--|---|----|---|----|-------|--|-----|----|-------|--|---|----|-----|--|---|----|---|---|-------|--|-----|---|-------|--|---|----|-----|---|---|----|----|----|-------|--|------|----|-------|--|----|----|
| (e) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>54</td><td>40</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 45</td><td>15</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>99</td><td>55</td></tr></table> | m | cm | 54 | 40 | <hr/> | | + 45 | 15 | <hr/> | | 99 | 55 | (f) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>2</td><td>43</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 1</td><td>33</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>3</td><td>76</td></tr></table> | m | cm | 2 | 43 | <hr/> | | + 1 | 33 | <hr/> | | 3 | 76 | (g) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>3</td><td>6</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 4</td><td>2</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>7</td><td>08</td></tr></table> | m | cm | 3 | 6 | <hr/> | | + 4 | 2 | <hr/> | | 7 | 08 | (h) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>56</td><td>33</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 32</td><td>22</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>88</td><td>55</td></tr></table> | m | cm | 56 | 33 | <hr/> | | + 32 | 22 | <hr/> | | 88 | 55 |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 45 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 99 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 1 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 4 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7 | 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| m | cm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| + 32 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 88 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|-------|---|---|----|---|----|-------|--|-----|----|-------|--|----|----|
| (i) | <table border="0"><tr><td>m</td><td>cm</td></tr><tr><td>7</td><td>26</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>+ 7</td><td>54</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td>14</td><td>80</td></tr></table> | m | cm | 7 | 26 | <hr/> | | + 7 | 54 | <hr/> | | 14 | 80 |
| m | cm | | | | | | | | | | | | |
| 7 | 26 | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| + 7 | 54 | | | | | | | | | | | | |
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| 14 | 80 | | | | | | | | | | | | |

2. (a) $\begin{array}{r} \text{m} \quad \text{cm} \\ 565 \quad 87 \\ -232 \quad 46 \\ \hline 333 \quad 41 \end{array}$ (b) $\begin{array}{r} \text{m} \quad \text{cm} \\ 888 \quad 88 \\ -234 \quad 25 \\ \hline 654 \quad 63 \end{array}$ (c) $\begin{array}{r} \text{m} \quad \text{cm} \\ 478 \quad 60 \\ -235 \quad 40 \\ \hline 243 \quad 20 \end{array}$ (d) $\begin{array}{r} \text{m} \quad \text{cm} \\ 705 \quad 18 \\ -365 \quad 20 \\ \hline 339 \quad 98 \end{array}$
- (e) $\begin{array}{r} 9 \quad 0 \quad \text{m} \\ -3 \quad 6 \quad \text{m} \\ \hline 5 \quad 4 \quad \text{m} \end{array}$ (f) $\begin{array}{r} 5 \quad 0 \quad 0 \quad \text{m} \\ -2 \quad 0 \quad 0 \quad \text{m} \\ \hline 3 \quad 0 \quad 0 \quad \text{m} \end{array}$ (g) $\begin{array}{r} \text{m} \quad \text{cm} \\ 587 \quad 60 \\ -234 \quad 40 \\ \hline 353 \quad 20 \end{array}$ (h) $\begin{array}{r} \text{m} \quad \text{cm} \\ 679 \quad 88 \\ -322 \quad 45 \\ \hline 357 \quad 43 \end{array}$
- (i) $\begin{array}{r} \text{m} \quad \text{cm} \\ 4 \quad 28 \\ -1 \quad 36 \\ \hline 2 \quad 92 \end{array}$ (j) $\begin{array}{r} \text{m} \quad \text{cm} \\ 5 \quad 85 \\ -3 \quad 23 \\ \hline 2 \quad 62 \end{array}$ (k) $\begin{array}{r} \text{m} \quad \text{cm} \\ 6 \quad 39 \\ -5 \quad 14 \\ \hline 1 \quad 25 \end{array}$ (l) $\begin{array}{r} \text{m} \quad \text{cm} \\ 47 \quad 92 \\ -23 \quad 30 \\ \hline 24 \quad 62 \end{array}$

Page-149

1. (a) 6 kg (b) 8 kg (c) 3 kg (d) 50 kg
2. (a) gram (b) kilogram (c) gram (d) gram
(e) kilogram

Page-151

1. (a) $\begin{array}{r} 3 \quad 5 \quad \text{kg} \\ + 3 \quad 1 \quad \text{kg} \\ \hline 6 \quad 6 \quad \text{kg} \end{array}$ (b) $\begin{array}{r} \text{kg} \quad \text{g} \\ 57 \quad 152 \\ + 30 \quad 46 \\ \hline 87 \quad 198 \end{array}$ (c) $\begin{array}{r} \text{kg} \quad \text{g} \\ 71 \quad 534 \\ + 14 \quad 51 \\ \hline 85 \quad 585 \end{array}$ (d) $\begin{array}{r} \text{kg} \quad \text{g} \\ 312 \quad 100 \\ + 232 \quad 151 \\ \hline 544 \quad 251 \end{array}$
- (e) $\begin{array}{r} \text{kg} \quad \text{g} \\ 7 \quad 167 \\ + 2 \quad 320 \\ \hline 9 \quad 487 \end{array}$ (f) $\begin{array}{r} \text{kg} \quad \text{g} \\ 5 \quad 438 \\ + 1 \quad 325 \\ \hline 6 \quad 763 \end{array}$ (g) $\begin{array}{r} \text{kg} \quad \text{g} \\ 8 \quad 430 \\ + 9 \quad 776 \\ \hline 18 \quad 206 \end{array}$ (h) $\begin{array}{r} \text{kg} \quad \text{g} \\ 75 \quad 200 \\ + 35 \quad 200 \\ \hline 110 \quad 400 \end{array}$
- (i) $\begin{array}{r} \text{kg} \quad \text{g} \\ 15 \quad 480 \\ + 24 \quad 520 \\ \hline 40 \quad 000 \end{array}$ (j) $\begin{array}{r} \text{kg} \quad \text{g} \\ 56 \quad 250 \\ + 25 \quad 102 \\ \hline 81 \quad 352 \end{array}$ (k) $\begin{array}{r} \text{kg} \quad \text{g} \\ 3 \quad 430 \\ + 9 \quad 776 \\ \hline 13 \quad 206 \end{array}$ (l) $\begin{array}{r} \text{kg} \quad \text{g} \\ 95 \quad 100 \\ + 25 \quad 300 \\ \hline 120 \quad 400 \end{array}$
2. (a) $\begin{array}{r} \text{kg} \quad \text{g} \\ 14 \quad 150 \\ -10 \quad 150 \\ \hline 4 \quad 000 \end{array}$ (b) $\begin{array}{r} \text{kg} \quad \text{g} \\ 78 \quad 650 \\ -56 \quad 560 \\ \hline 22 \quad 090 \end{array}$ (c) $\begin{array}{r} \text{kg} \quad \text{g} \\ 175 \quad 720 \\ -87 \quad 050 \\ \hline 88 \quad 670 \end{array}$ (d) $\begin{array}{r} \text{kg} \quad \text{g} \\ 872 \quad 375 \\ -691 \quad 166 \\ \hline 181 \quad 209 \end{array}$

(e)	kg	g	(f)	kg	g	(g)	kg	g	(h)	kg	g
	10	660		6	836		7	195		72	350
	- 6	475		- 3	542		- 2	073		- 18	150
	4	185		3	294		5	122		54	200

(i)	kg	g	(j)	kg	g	(k)	kg	g	(l)	kg	g
	58	300		26	300		9	640		75	350
	- 26	200		- 14	150		- 5	265		- 45	300
	32	100		12	150		4	375		30	050

(m)	kg	g	(n)	kg	g	(o)	kg	g
	32	200		65	350		78	250
	- 15	150		- 15	150		- 60	120
	17	050		50	200		18	130

Page-153

Capacity

- Jug 100 ml
 - Bottle 60 ml
 - oil tanker
 - over head tank
 - eye drop bottle
 - tea cup
 - Yes capacity of my bottle is less than 1 litre
- bowl 30 ml
 - Bucket 300 ml
 - water bucket
 - milk tanker
 - water mug
 - baby milk bottle

Page-155

1. (a)	ml	(b)	l	ml	(c)	l	ml	(d)	l	ml
	3 5 0		12	750		92	100		427	100
	+ 1 0 0		+ 17	240		+ 17	159		+ 371	260
	4 5 0		29	990		109	259		798	360

(e)	l	ml	(f)	l	ml
	4	615		26	148
	+ 2	250		+ 16	246
	6	865		42	394

2. (a)	$\begin{array}{r} l \quad ml \\ 37 \quad 280 \\ -19 \quad 190 \\ \hline 18 \quad 090 \end{array}$	(b)	$\begin{array}{r} l \quad ml \\ 180 \quad 015 \\ -98 \quad 000 \\ \hline 82 \quad 015 \end{array}$	(c)	$\begin{array}{r} l \quad ml \\ 396 \quad 150 \\ -180 \quad 70 \\ \hline 216 \quad 080 \end{array}$	(d)	$\begin{array}{r} l \quad ml \\ 98 \quad 100 \\ -39 \quad 90 \\ \hline 59 \quad 010 \end{array}$
--------	---	-----	--	-----	---	-----	--

(e)	$\begin{array}{r} l \quad ml \\ 6 \quad 740 \\ -4 \quad 275 \\ \hline 2 \quad 465 \end{array}$	(f)	$\begin{array}{r} l \quad ml \\ 63 \quad 930 \\ -42 \quad 728 \\ \hline 21 \quad 202 \end{array}$	(g)	$\begin{array}{r} l \quad ml \\ 75 \quad 300 \\ -56 \quad 320 \\ \hline 18 \quad 980 \end{array}$	(h)	$\begin{array}{r} l \quad ml \\ 90 \quad 300 \\ -24 \quad 194 \\ \hline 66 \quad 106 \end{array}$
-----	--	-----	---	-----	---	-----	---

(i)

$$\begin{array}{r} l \quad ml \\ 98 \quad 630 \\ -65 \quad 487 \\ \hline 33 \quad 143 \end{array}$$

Word Problems

1.	Length of I st rope =	$\begin{array}{r} m \quad cm \\ 143 \quad 18 \\ +204 \quad 71 \\ \hline 347 \quad 89 \end{array}$
	Length of II nd rope =	
	Total length =	

∴ Total length of two ropes 347 m 89 cm

2.	Petrol filled in car =	$\begin{array}{r} l \quad ml \\ 25 \quad 700 \\ -13 \quad 400 \\ \hline 12 \quad 300 \end{array}$
	Petrol used =	
	Petrol left =	

∴ Petrol left in car 12 / 300 m/

3.	Apples sold in morning =	$\begin{array}{r} kg \quad g \\ 14 \quad 750 \\ +18 \quad 200 \\ \hline 32 \quad 950 \end{array}$
	Apples sold in evening =	
	Total apples sold =	

∴ Fruit seller sold 32 kg 950 g apples in all

4.	Length of wire =	$\begin{array}{r} m \quad cm \\ 86 \quad 00 \\ -13 \quad 75 \\ \hline 72 \quad 25 \end{array}$
	Wire cut off =	
	Wire left =	

∴ 72 m 25 cm wire was left

$$\begin{array}{rcl}
 \text{5. Bought blue ribbon} & = & 3 \text{ } 7 \text{ m} \\
 \text{Bought yellow ribbon} & = & + 5 \text{ } 6 \text{ m} \\
 \hline
 \text{Total ribbon} & = & 9 \text{ } 3 \text{ m}
 \end{array}$$

∴ Anita bought 93 m ribbon

$$\begin{array}{rcl}
 \text{6. Length of I}^{\text{st}} \text{ piece of rope} & = & 6 \text{ } 27 \\
 \text{Length of II}^{\text{nd}} \text{ piece of rope} & = & + 9 \text{ } 36 \\
 \hline
 & & 15 \text{ } 63
 \end{array}$$

∴ Total length of rope is 15 m 63 cm

$$\begin{array}{rcl}
 \text{7. Pipe bought} & = & 39 \text{ } 40 \\
 \text{Pipe cut off} & = & - 18 \text{ } 30 \\
 \hline
 \text{Pipe left} & = & 21 \text{ } 10
 \end{array}$$

∴ 21 m 10 cm pipe is left

$$\begin{array}{rcl}
 \text{8. Had wire} & = & 756 \text{ } 80 \\
 \text{Wire used for fencing} & = & - 503 \text{ } 40 \\
 \hline
 \text{Wire left} & = & 253 \text{ } 40
 \end{array}$$

∴ 253 m 40 cm wire is left

$$\begin{array}{rcl}
 \text{9. Purchased rice} & = & 2 \text{ } 620 \\
 \text{Purchased sugar} & = & + 5 \text{ } 650 \\
 \hline
 \text{Total weight} & = & 8 \text{ } 270
 \end{array}$$

∴ Mona carry 8 kg 270 g weight

$$\begin{array}{rcl}
 \text{10. Carrying wheat} & = & 6 \text{ } 5 \text{ } 0 \text{ kg} \\
 \text{Carrying sugar} & = & 1 \text{ } 5 \text{ } 0 \text{ kg} \\
 \text{Carrying rice} & = & + 6 \text{ } 5 \text{ } 5 \text{ kg} \\
 \hline
 \text{Total weight} & = & 1 \text{ } 4 \text{ } 5 \text{ } 5 \text{ kg}
 \end{array}$$

∴ 4 trucks carrying 1455 kg weight

$$\begin{array}{rcl}
 \text{11. Weight of Geeta} & = & 43 \text{ } 700 \\
 \text{Weight reduced} & = & - 2 \text{ } 528 \\
 \hline
 \text{Weight now} & = & 41 \text{ } 172
 \end{array}$$

Weight Geeta after illness 41 kg 172 g

$$\begin{array}{rcl}
 \text{12. Weight of Babita} & = & 53 \text{ } 607 \\
 \text{Weight of Sonia} & = & - 47 \text{ } 200 \\
 \hline
 \text{Difference} & = & 6 \text{ } 407
 \end{array}$$

∴ Difference of their weight is 6 kg 407 g



$$\begin{array}{rcl}
 \text{13. Sweet in the shop} & = & 8 \text{ } 5 \text{ } 0 \text{ kg} \\
 \text{Sold on Diwali} & = & \underline{- 5 \text{ } 3 \text{ } 2 \text{ kg}} \\
 \text{Sweet left} & = & 3 \text{ } 1 \text{ } 8 \text{ kg}
 \end{array}$$

∴ 318 kg sweet left after Diwali

$$\begin{array}{rcl}
 & & \text{kg} \quad \text{g} \\
 \text{14. Mr. Sharma had sugar} & = & 8 \quad 560 \\
 \text{Bought more} & = & \underline{+ 10 \quad 000} \\
 \text{Total weight} & = & 18 \quad 560
 \end{array}$$

∴ Total weight of sugar 18 kg 560 g

$$\begin{array}{rcl}
 \text{15. Weight of Ist boy} & = & 2 \text{ } 7 \text{ kg} \\
 \text{Weight of IInd boy} & = & 3 \text{ } 6 \text{ kg} \\
 \text{Weight of IIIrd boy} & = & \underline{+ 3 \text{ } 5 \text{ kg}} \\
 \text{Total weight} & = & 9 \text{ } 8 \text{ kg}
 \end{array}$$

∴ Total weight of 3 boys 98 kg

$$\begin{array}{rcl}
 & & \text{kg} \quad \text{g} \\
 \text{16. Anjali has ice-cream} & = & 26 \quad 400 \\
 \text{Anjali give ice-cream to friend} & = & \underline{- 2 \quad 200} \\
 \text{Ice-cream left} & = & 24 \quad 200
 \end{array}$$

∴ 24 kg 200 g ice-cream left with Anjali

$$\begin{array}{rcl}
 & & \text{kg} \quad \text{g} \\
 \text{17. Wood weigh} & = & 258 \quad 950 \\
 \text{Block cut off} & = & \underline{- 46 \quad 400} \\
 \text{Remaining wood} & = & 212 \quad 550
 \end{array}$$

∴ 212 kg 550 g wood left

$$\begin{array}{rcl}
 & & \text{l} \quad \text{ml} \\
 \text{18. Petrol in the car} & = & 3 \quad 850 \\
 \text{More petrol put} & = & \underline{+ 25 \quad 500} \\
 & = & 29 \quad 350
 \end{array}$$

∴ 29 / 350 ml petrol in car now

Page-159

MCQs

- (b) ∴ $567 + 388 = 955 \text{ g}$
- (b) kg g • (a) • (b)

$$\begin{array}{rcl}
 & & \text{kg} \quad \text{g} \\
 & & 5 \quad 550 \\
 & & \underline{- 4 \quad 350} \\
 & & 1 \quad 200
 \end{array}$$

Mental Maths

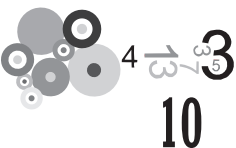
Jar A = 250 ml, Jar B = 400 ml, Jar C = 500 ml
Jar C have more liquid

Test Exercise

Page-160

- (a) 7 cm (b) 15 cm (c) 2 m (d) 1 m
(e) 18 cm (f) 4 m
- (a) 5 g (b) 50 g (c) 150 g (d) 70 kg
(e) 10 kg (f) 20 g
- (a) 1 l (b) 20 ml (c) 75 ml (d) 500 ml
(e) 5 ml (f) 15 ml

○○○



10

Money

Page-163

- (a) ₹ 9.25 (b) ₹ 16.40 (c) ₹ 18.30 (d) ₹ 15.50
(e) ₹ 10.75 (f) ₹ 20.80 (g) ₹ 9.50 (h) ₹ 7.60
(i) ₹ 50.60 (j) ₹ 2.70 (k) ₹ 8.75 (l) ₹ 25.55
- (a) ₹ 8.35 = Eight rupees thirty five paise
(b) ₹ 11.25 = Eleven rupees twenty five paise
(c) ₹ 15.40 = Fifteen rupees forty paise
(d) ₹ 42.55 = Forty two rupees fifty five paise
(e) ₹ 50.70 = Fifty rupees seventy paise
(f) ₹ 64.85 = Sixty four rupees eighty five paise
(g) ₹ 5.25 = Five rupees twenty five paise
(h) ₹ 17.35 = Seventeen rupees thirty five paise
(i) ₹ 8.10 = Eight rupees ten paise
(j) ₹ 700.90 = Seven hundred rupees ninety paise
(k) ₹ 500.90 = Five hundred rupees ninety paise
(l) ₹ 250.50 = Two hundred fifty rupees fifty paise

Page-164

Add the following rupees and paise

(a)	₹	P	(b)	₹	P	(c)	₹	P	(d)	₹	P
	21	20		50	25		16	75		245	75
	+ 15	25		+ 16	00		+ 12	00		+ 22	00
	<u>36</u>	<u>45</u>		<u>66</u>	<u>25</u>		<u>28</u>	<u>75</u>		<u>267</u>	<u>75</u>

(e)	₹	P	(f)	₹	P	(g)	₹	P	(h)	₹	P
	133	50		431	20		4	50		5	85
	+ 110	25		+ 233	25		+ 3	25		+ 2	15
	<u>243</u>	<u>75</u>		<u>664</u>	<u>45</u>		<u>7</u>	<u>75</u>		<u>8</u>	<u>00</u>

(i)	₹	P	(j)	₹	P	(k)	₹	P	(l)	₹	P
	3	85		45	60		91	30		34	25
	+ 2	75		+ 31	45		+ 16	20		+ 16	25
	<u>6</u>	<u>60</u>		<u>77</u>	<u>05</u>		<u>107</u>	<u>50</u>		<u>50</u>	<u>50</u>

(m)	₹	P	(n)	₹	P	(o)	₹	P	(p)	₹	P
	216	25		248	50		271	25		34	15
	+ 29	75		+ 97	35		+ 264	65		+ 26	25
	<u>246</u>	<u>00</u>		<u>345</u>	<u>85</u>		<u>535</u>	<u>90</u>		<u>60</u>	<u>40</u>

(q)	₹	P	(r)	₹	P	(s)	₹	P	(t)	₹	P
	25	65		81	50		248	50		275	50
	+ 41	25		+ 26	40		+ 97	35		+ 215	25
	<u>66</u>	<u>90</u>		<u>107</u>	<u>90</u>		<u>345</u>	<u>85</u>		<u>490</u>	<u>75</u>

(u)	₹	P
	316	25
	+ 115	75
	<u>432</u>	<u>00</u>

Page-166

Subtract the following :

(a)	₹	P	(b)	₹	P	(c)	₹	P	(d)	₹	P
	75	75		97	25		88	50		296	25
	- 21	25		- 45	00		- 46	00		- 141	00
	<u>54</u>	<u>50</u>		<u>52</u>	<u>25</u>		<u>42</u>	<u>50</u>		<u>155</u>	<u>25</u>

(e)	₹	P	(f)	₹	P	(g)	₹	P	(h)	₹	P
	376	00		883	50		7	65		6	70
	- 355	00		- 442	25		- 2	15		- 3	35
	<u>21</u>	<u>00</u>		<u>441</u>	<u>25</u>		<u>5</u>	<u>50</u>		<u>3</u>	<u>35</u>

(i)	₹	P	(j)	₹	P	(k)	₹	P	(l)	₹	P
	4	85		29	25		35	80		35	55
	- 2	60		- 16	85		- 09	95		- 25	95
	<u>2</u>	<u>25</u>		<u>12</u>	<u>40</u>		<u>25</u>	<u>85</u>		<u>9</u>	<u>60</u>
(m)	₹	P	(n)	₹	P	(o)	₹	P	(p)	₹	P
	196	90		235	85		263	80		37	87
	- 35	75		- 99	65		- 183	90		- 07	85
	<u>161</u>	<u>15</u>		<u>136</u>	<u>20</u>		<u>79</u>	<u>90</u>		<u>30</u>	<u>02</u>
(q)	₹	P	(r)	₹	P	(s)	₹	P	(t)	₹	P
	54	25		45	55		186	95		215	85
	- 16	85		- 24	75		- 35	55		- 99	65
	<u>37</u>	<u>40</u>		<u>20</u>	<u>80</u>		<u>151</u>	<u>40</u>		<u>116</u>	<u>20</u>
(u)	₹	P									
	363	40									
	- 283	60									
	<u>79</u>	<u>80</u>									

Page-168

(b) Zeenat bought :

1 ice cream = ₹ 15 : 00
 1 kite = ₹ 1 : 00
 1 Pencil = ₹ 2 : 00
 2 Balloons = ₹ 10 : 00
 Total = ₹ 28 : 00

(c) Arpit bought :

1 pencil = ₹ 2 : 00
 2 balloons = ₹ 10 : 00
 Total = ₹ 12 : 00

(d) Rashu bought :

1 chocolate = ₹ 10 : 00
 2 kites = ₹ 2 : 00
 2 pencils = ₹ 4 : 00
 Total = ₹ 16 : 00

Word Problems

- I gave to shopkeeper = ₹ 20
 I bought biscuits = ₹ 10
 I get back = ₹ 10
 ∴ I get back ₹ 10

$$\begin{array}{rcl}
 \text{2. Reena bought bread for} & = & ₹ 8.50 \\
 \text{Reena bought toffees for} & = & ₹ 10.00 \\
 \text{Reena bought chocolates for} & = & + ₹ 20.00 \\
 \text{Total} & = & \underline{₹ 38.50}
 \end{array}$$

∴ Reena spent ₹ 38.50 in all

$$\begin{array}{rcl}
 \text{3. Father gave me} & = & ₹ 300 \\
 \text{I spent} & = & - ₹ 207 \\
 \text{Returned} & = & \underline{₹ 93}
 \end{array}$$

∴ I returned ₹ 93 to my father

$$\begin{array}{rcl}
 \text{4. Atul bought book for} & = & ₹ 50.00 \\
 \text{Atul bought football for} & = & + ₹ 60.00 \\
 \text{Spend} & = & \underline{₹ 110.00}
 \end{array}$$

∴ Atul spend ₹ 110.00 in all

$$\begin{array}{rcl}
 \text{5. Sita had} & = & ₹ 75 \\
 \text{Sita spent} & = & - ₹ 25 \\
 \text{Left} & = & \underline{₹ 50}
 \end{array}$$

∴ Sita left with ₹ 50

$$\begin{array}{rcl}
 \text{6. Rashmi bought chocoaltes for} & = & ₹ 48.00 \\
 \text{Rashmi bought toffees for} & = & + ₹ 30.75 \\
 \text{Spend in all} & = & \underline{₹ 78.75}
 \end{array}$$

∴ Rashmi spend ₹ 78.75 in all

$$\begin{array}{rcl}
 \text{7. Mother gave} & = & ₹ 250 \\
 \text{Father gave} & = & + ₹ 500 \\
 \text{Total} & = & \underline{₹ 700}
 \end{array}$$

∴ Now I have ₹ 700

$$\begin{array}{rcl}
 \text{8. Rohan paid for Toy} & = & ₹ 40.00 \\
 \text{Rohan paid for Pizza} & = & ₹ 65.50 \\
 \text{Total} & = & \underline{₹ 105.50}
 \end{array}$$

∴ Rohan paid ₹ 105.50 in all

$$\begin{array}{rcl}
 \text{9. Ritika gad} & = & ₹ 275.50 \\
 \text{Ritika spent} & = & - ₹ 72.10 \\
 \text{Left} & = & \underline{₹ 203.40}
 \end{array}$$

∴ Ritika left with ₹ 203.40

$$\begin{array}{rcl}
 \text{10. Ritesh pay} & = & ₹ 500.00 \\
 \text{Ritesh bought book} & = & - ₹ 196.25 \\
 \text{Get back} & = & \underline{₹ 303.75}
 \end{array}$$

∴ Ritesh get ₹ 303.75 change

$$\begin{array}{rcl}
 \text{11. Megha had} & = & ₹ 100.00 \\
 \text{Megha gave to sister} & = & - ₹ 70.50 \\
 \text{Left} & = & \underline{₹ 29.50}
 \end{array}$$

∴ Megha had now ₹ 29.50

$$\begin{array}{rcl}
 \text{12. Jack has} & = & ₹ 250.00 \\
 \text{Jill has less} & = & - ₹ 73.60 \\
 \text{Jill has} & = & \underline{₹ 176.40}
 \end{array}$$

∴ Jill has ₹ 176.40

$$\begin{array}{rcl}
 \text{13. Nidhi bought ice-cream for} & = & ₹ 15 \\
 \text{Nidhi bought pastry for} & = & + ₹ 12 \\
 & & \underline{₹ 27}
 \end{array}$$

∴ Nidhi spend ₹ 27 in all

$$\begin{array}{rcl}
 \text{14. Ravi gave} & = & ₹ 100.00 \\
 \text{Shopkeeper returned} & = & - ₹ 25.75 \\
 & & \hline
 & & ₹ 74.25
 \end{array}$$

∴ Sauce bottle cost ₹ 74.25

$$\text{15. Cost of toy} = ₹ 45.50$$

$$\text{Cost of ball} = + ₹ 8.50$$

$$\text{Total cost} = ₹ 54.00$$

∴ ₹ 54.00 needed to buy both

$$\text{16. Present cost of fun-cola} = ₹ 23.50$$

$$\text{Cost less} = - ₹ 5.00$$

$$\text{Old cost} = ₹ 18.50$$

∴ Old cost of fun-cola ₹ 18.50

$$\text{17. Raj have} = ₹ 120.75$$

$$\text{Madhu have more} = + ₹ 25.00$$

$$₹ 145.75$$

∴ Madhu have ₹ 145.75

$$\text{18. Cost of T-shirt} = ₹ 250.00$$

$$\text{Cost of skirt} = ₹ 350.00$$

$$\text{Cost of belt} = + ₹ 350.00$$

$$\text{Total cost} = ₹ 700.00$$

∴ Leena have to pay ₹ 700

$$\text{19. Old cost of fanta bottle} = ₹ 18.50$$

$$\text{Cost more} = + ₹ 5.00$$

$$\text{Now cost} = ₹ 23.50$$

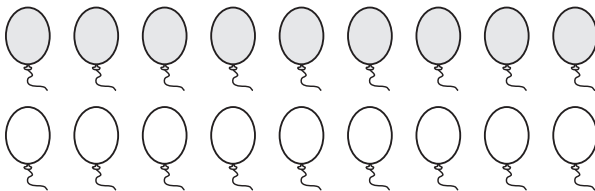
∴ New cost of fanta bottle ₹ 23.50

MCQs

- (c)
- (c)
- (c)
- (a)
- (b)

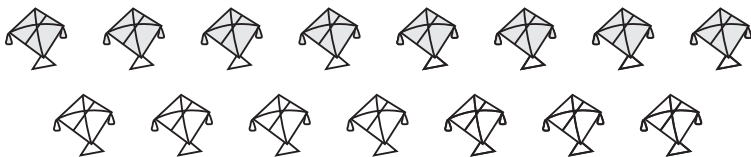
Mental Maths

•

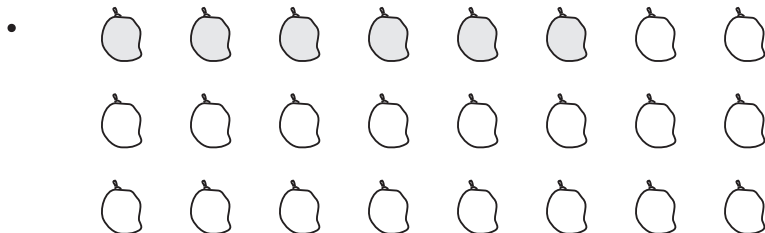


$$\frac{1}{2} \text{ of } 18 = 9$$

•



$$\frac{1}{3} \text{ of } 15 = 5$$



$$\frac{1}{4} \text{ of } 24 = 6$$

Test Exercise

1. ₹ 5 =  +  + 

₹ 2 ₹ 2 ₹ 1

2. ₹ 18
₹ + 23
₹ 41

 +  + 

₹ 20 Note ₹ 20 Note ₹ 1 coin

3. You buy ₹ 73 You give ₹ 75 You change

$$\begin{array}{r} ₹ 75 \\ - ₹ 73 \\ \hline ₹ 2 \end{array}$$

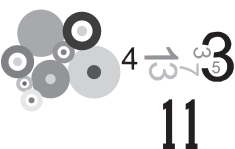
4. ₹ 14 =  +  + 

₹ 10 Note ₹ 2 coin ₹ 2 coin

5. Cost of full ticket = ₹ 30
Cost of half ticket = + ₹ 15
₹ 45

Shamim spend ₹ 45 for tickets

○○○



Time

Arnav wakes up at 6 O' clock.
Arnav takes breakfast at 7 O' clock.
Arnav goes to his school at 8 O' clock.
Arnav takes his lunch at 11 O' clock.
Arnav returns from school at 2 O' clock.

Arnav does his homework at **4 O' clock**.

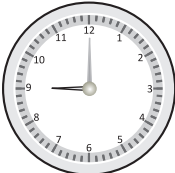
Arnav goes out to play at **5 O' clock**.

Arnav takes his dinner at **8 O' clock**.

Arnav goes to bed at **9 O' clock**.

Page-175

1. (a) 4 : 00
or
4 o'clock
- (b) 7 : 00
or
7 o'clock
- (c) 1 : 00
or
1 o'clock
- (d) 2 : 00
or
2 o'clock
- (e) 10 : 00
or
10 o'clock
- (f) 5 : 00
or
5 o'clock

2. (a) 
2 O' clock
- (b) 
4 O' clock
- (c) 
7 O' clock
- (d) 
9 O' clock
- (e) 
11 O' clock
- (f) 
8 O' clock

3. (a) The long hand is also known as **minute hand**.
(b) The short hand is also known as **hour hand**.
(c) There are **24** hours in a day.
(d) The short hand complete one round of the clock in **12** hours.

Page-177

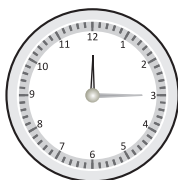
1. (a) 1 : 15
or
Quarter past one
- (b) 4 : 15
or
Quarter past four
- (c) 7 : 15
or
Quarter past seven
- (d) 1 : 15
or
Quarter past one
- (e) 4 : 15
or
Quarter past four
- (f) 7 : 15
or
Quarter past seven

2. (a)



6 : 15

(b)



12 : 15

(c)



Quarter past 3

(d)



Quarter past 7

(e)



8 : 15

(f)



Quarter past 10

3. (a)

1 : 30

or

half past 1

(b)

4 : 30

or

half past 4

(c)

8 : 30

or

half past 8

(d)

10 : 30

or

half past 10

(e)

9 : 30

or

half past 9

(f)

11 : 30

or

half past 11

4. (a)



5 : 30

(b)



7 : 30

(c)



half past 2

5. (a)

12 : 45

or

Quarter to 1

(b)

5 : 45

or

Quarter to 6

(c)

10 : 45

or

Quarter to 11

(d)

7 : 45

or

Quarter to 8

(e)

3 : 45

or

Quarter to 4

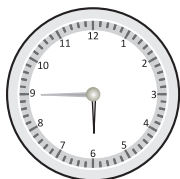
(f)

7 : 45

or

Quarter to 8

6. (a)



6 : 45

(b)



9 : 45

(c)



Quarter to 8

Days of Week

1st day of the week

Monday

2nd day of the week

Tuesday

3rd day of the week

Wednesday

4th day of the week

Thursday

5th day of the week

Friday

6th day of the week

Saturday

7th day of the week

Sunday

- (a) **MONDAY** (b) **TUESDAY** (c) **WEDNESDAY**
 (d) **THURSDAY** (e) **FRIDAY** (f) **SATURDAY**
 (g) **SUNDAY**
- (a) Friday comes before **Saturday**
 (b) Monday comes in between **Sunday** and **Tuesday**
 (c) Thursday comes after **Wednesday**.
 (d) If today is Tuesday, day after tomorrow is Thursday
 (e) If tomorrow is Saturday then yesterday was Thursday.
 (f) If yesterday was Saturday then today is Sunday.
- | | | |
|-----------------|-----------------|------------------|
| Yesterday | Today | Tomorrow |
| Saturday | Sunday | Monday |
| Monday | Tuesday | Wednesday |
| Friday | Saturday | Sunday |
| Wednesday | Thursday | Friday |

Month of year

Page-181

- (a) **JANUARY** (b) **FEBRUARY** (c) **MARCH**
 (d) **APRIL** (e) **MAY** (f) **JUNE**
 (g) **JULY** (h) **AUGUST** (i) **SEPTEMBER**
 (j) **OCTOBER** (k) **NOVEMBER** (l) **DECEMBER**
- 2 Months having 30 days
 (a) June (b) November
- 2 months having 31 days
 (a) January (b) March

4. (a) Second month of year **February**
 (b) Sixth month of the year **June**
 (c) The month after July **August**
 (d) The month with 28/29 days **February**
 (e) The month before January **December**
5. (a) (iii) (b) v (c) (i) (d) (vi)
 (e) (ii) (f) (iv)

Page-183

Seasons of the year

1. (a) Very cold (b) Rain coat (c) Cold things (d) Sharda
 (e) Shishira (f) Vasanta
2. (a) Grishma ritu (b) Shishir ritu (c) Vasant ritu (d) Varsha ritu

Mental Maths

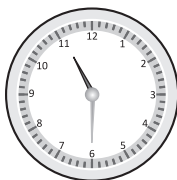
Days		Periods						
		1	2	3	R E C E S S	4	5	6
1.	Monday	Maths	Eng	EVS		Hindi	Games	Drawing
2.	Tuesday	Maths	Eng	EVS		Hindi	Games	Drawing
3.	Wednesday	Maths	Eng	EVS		Hindi	Lib	Dance
4.	Thursday	Maths	Eng	EVS		Hindi	Lib	Dance
5.	Friday	Maths	Eng	EVS		Hindi	Computer	Computer
6.	Saturday	Maths	Eng	EVS		Hindi	P.T	P.T

Word Problems

- (a) 2 hours after 6:00 is **8 : 00**
 Sanjana return home at **8** O'clock

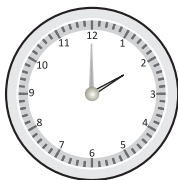


- (b) 30 minutes after 11:00 is **11 : 30**
 Ravi finishes at **11 : 30**



(c) 2 hours after 12 : 00 is

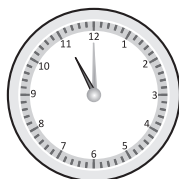
The movie will end at



(d) The time she needs to prepare and bake the cake is minutes or hour

1 hour after is

The cake is ready at



Test Exercise

1. (a)

(b)

(c)

(d)

2. (a)



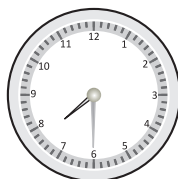
(b)



(c)



(d)



3. (a) **Sunday** is two day after friday

(b) **Friday** is two days before sunday

(c) There are 7 months having 31 day

(d) February have 29 days in leap year

4. (a) Thursday **Friday** Saturday

(b) Tuesday Wednesday **Thursday**

(c) October **November** Saturday

(d) March April **May**

Page-188

1. (a) Sonia has the most number of apples
(b) Zeenat has the least number of apples
(c) Adeesh has eight apples
(d) Nisha has 4 apples more than zeenat
(e) Dinesh has 4 apples
2. (a) Kanika have 5 kinds of vegetables
(b) Tomatoes is least in number
(c) Carrots are maximum in number (d) 6 tomatoes are there
3. (a) Strawberry is most popular flavour
(b) Butter scotch is least popular flavour
(c) Vanilla-butter scotch

$$(14 - 8) = 6$$
 6 more children like vanila than butter scotch
 (d) 12 children like mango flavour
 (e) Children like chocolate = 10
 Children like strawberry = + 18
 Total = 28
 28 children like chocolate and strawberry flavour
4. (a) Dog is liked by most children
(b) Turtle is liked by least children
(c) Birds and fish are liked by equal number of children
(d) Children like dogs = 18
 Children like cats = -9

$$= \underline{9}$$
 $\therefore$ 9 more children like dogs than cats
5. (a) Vivek has the least number of books
(b) Kanika has the heaviest bag
(c) Varsha and Ruchika have same number of books
(d) Anju has 7 books

6. Decreasing order

Flower	Number
Red rose	25
Gerbera	21
White rose	14
Carnation	8
Lily	5
Anthurium	3

- (a) Red rose was maximum in number
 (b) Lily was least in number
 (c) $(25 + 14 = 39)$ 39 roses were used
 (d) $(25 + 21 + 14 + 8 + 5 + 3 = 76)$ total 76 flowers were used in all
 (e) 3 lilies were used
7. (a) 13 students have scored more than 70 marks
 (b) 7 students have scored more than 80 marks
 (c) Honey scored the maximum marks
 (d) Manoj scored the least marks
 (e) 8 girls students more than 60 marks
 (f) Highest-least $= 95 - 56 = 39$
 39 is difference between highest and least marks
 (g) 7 students scored marks between 50 and 70
 (h) Shyam's marks-Ravi's marks
 $90 - 65 = 25$
 25 is difference between Shyam's and Ravi's marks

MCQs

1. (b) 2. (a) 3. (c)
 4. (b) 5. (c) 6. (c)

Test Exercise

Page-194

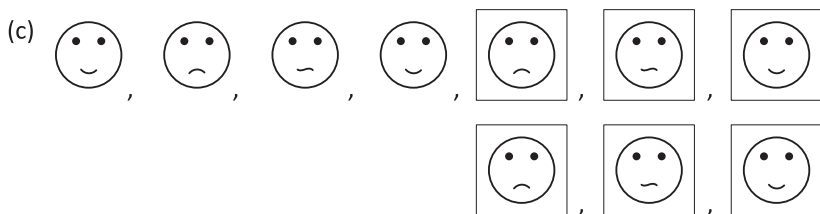
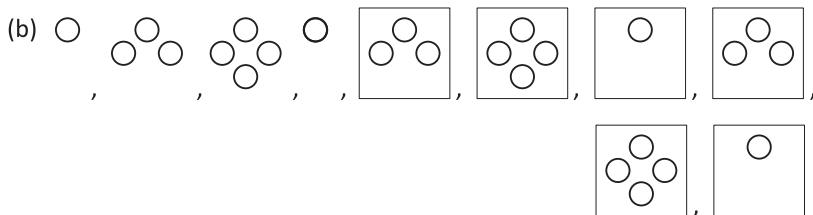
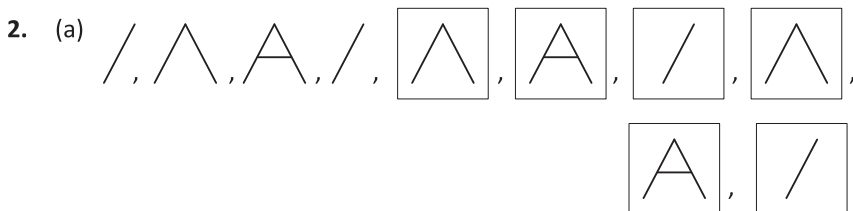
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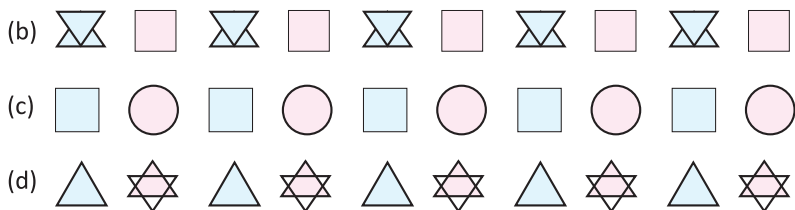
Toy	Number
Teddy bears	3
Toy car	4
Ball	3
Football	1
Bat	1

- (a) Shomu have 1 more car than teddy bears
 (b) 12 toys in all shomu have
 (c) Shomu have 2 bats less than balls

Increasing order

Sports person	Number of fans
Neeraj Chopra	7
P.V. Sindhu	8
Virat Kohli	10
Sachin Tendulkar	15
M.S. Dhoni	20





Page-196

Pattern in Numbers

1. (a) 28, 32, 36, 40, (44), (48), (52), (56), (60)
- (b) 82, 84, 86, 88, (90), (92), (94), (96), (98)
- (c) 90, 80, 70, 60, (50), (40), (30), (20), (10)
- (d) 18, 21, 24, 27, (30), (33), (36), (39), (42)
- (e) 15, 20, 25, 30, (35), (40), (45), (50), (55)
- (f) 36, 42, 48, 54, (60), (66), (72), (78), (84)
- (g) 28, 35, 42, 49, (56), (63), (70), (77), (84)
- (h) 16, 24, 32, 40, (48), (56), (64), (72), (80)
- (i) 2, 5, 8, 11, (14), (17), (20), (23), (26)
- (j) 105, 110, 115, 120, (125), (130), (135), (140), (145)

2. (a)

Number of tricycles	1	2	3	4	5	6	7
Number of wheels	3	6	(9)	(12)	(15)	18	(21)

- (b)

Number of girls	1	2	3	4	5	6	7
Number of hands	2	4	(6)	(8)	(10)	(12)	(14)

- (c)

Number of hands	1	2	3	4	5	6	7
Number of fingers	5	10	(15)	(20)	(25)	(30)	(35)

3. (a) $51 + 52 + 53 + 54 + 55 + 56 + 57 + 58 + 59 + 60 = (555)$
- (b) $61 + 62 + 63 + 64 + 65 + 66 + 67 + 68 + 69 + 70 = (655)$
- (c) $71 + 72 + 73 + 74 + 75 + 76 + 77 + 78 + 79 + 80 = (755)$
4. (a) 81, 80, 79, 78, (77) (76) (75)
- (b) 136, 146, 156, 166, (176) (186) (196)
- (c) 98, 100, 102, 104, (106) (108) (110)
- (d) 110, 120, 130, 140, (150) (160) (170)

Pattern in Letters

- (a) A, C, E, G, I, k , m o, q s
- (b) A, D, G, J, M, p s v y b
- (c) A, C, E, G, I, K, m p r u w
- (d) Aa, Bb, Cc, Dd, Ee Ff Gg Hh li
- (e) A1, A2, A3, A4 A5 A6 A7 A8
- (f) Z, Y, X, W v u t s r
- (g) AA, BB, CC, DD EE FF GG HH
- (h) AB, AC, AD, AE AF AG AH AI
- (i) ABC, BCD, CDE, DEF EFG FGH GHI HIJ
- (j) AB, CD, EF, GH, IJ KL MN OP QR
- (k) A1, B2, C3, D4, E5 F6 G7 H8 I9
- (l) C, F, I, L, O R U X A
- (m) DE, EF, FG, GH, HI IJ JK KL LM
- (n) T, S, R, Q, P O N M L

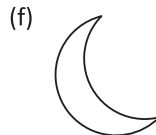
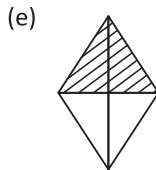
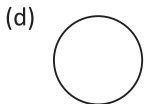
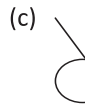
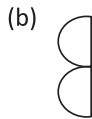
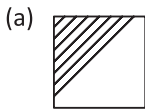
MCQs

- (a)
- (b)
- (a)

Mental Maths

2. roses are red
3. shut the door
4. let us play

Test Exercise

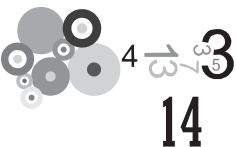


(g) 21, 22, 24, 27, 31, 36, 42

(h) 78, 72, 67, 63, 60, 58, 57

- (i) ABD, EFH, IJL, MNP, QRT, UVX
 (j) ACCB, DFFE, GIIH, JLLK, MOON, PRRQ
 (k) 138, 140, 142, 144, 146, 148, 150
 (l) 620, 630, 640, 650, 660, 670, 680
 (m) li, Kk, Mm, Oo, Qq, Ss, Uu, Ww
 (n) Z1, Y2, X3, W4, V5, U6, T7

○○○



Reasoning : Verbal & Non-Verbal and Logical

Page-201

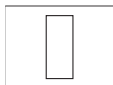
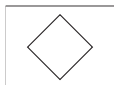
- | | | | |
|--------|---------|--------|--------|
| 1. (d) | 2. (d) | 3. (a) | 4. (c) |
| 5. (b) | 6. (d) | 7. (d) | 8. (a) |
| 9. (c) | 10. (c) | | |

Page-203

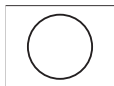
Patterns

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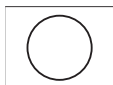
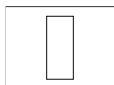
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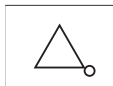
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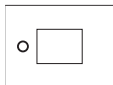
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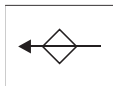
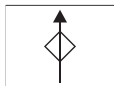
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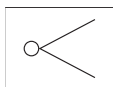
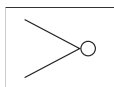
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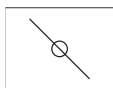
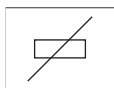
6.



7.



8.



B.

1	b
5	f

2	c
6	h

3	d
7	g

4	a
8	e

Page-205

Matching

A.

1	h
5	c

2	b
6	d

3	g
7	f

4	a
8	e

B.

1	f
5	d

2	e
6	c

3	b
7	h

4	a
8	g

Page-207

Ordering

A. Alphabetical order

Aeroplane, Cap, fish, jug, lotus,
parrot, sun zebra

B. 1. 2, 1, 4, 3

2. 3, 1, 4, 2

