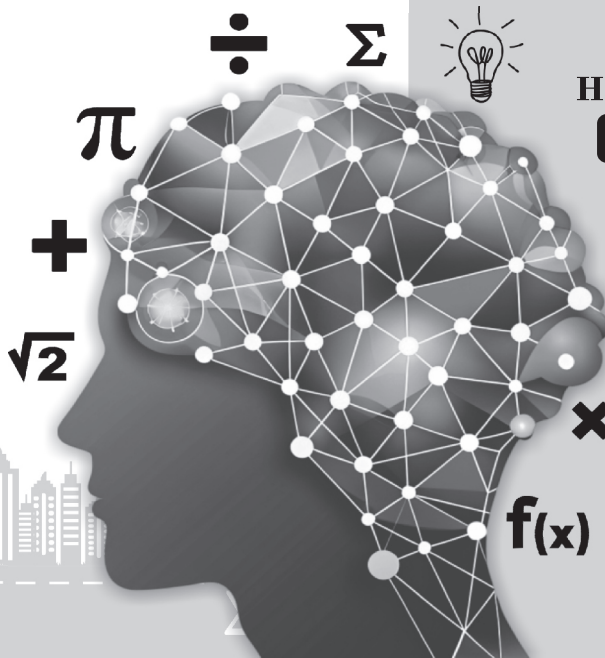


New
Beginning

MASTERMIND

MATHS




Help-Kit
1-5




A New Beginning Programme for Kids by **MASTERMIND**.

Write the number and number names repeatedly.


Ans.



1 1 1
One One One




2 2 2
Two Two Two




3 3 3
Three Three Three




4 4 4
Four Four Four




5 5 5
Five Five Five




6 6 6
Six Six Six



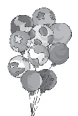
7 7 7
Seven Seven Seven



8 8 8
Eight Eight Eight



9 9 9
Nine Nine Nine



10 10 10
Ten Ten Ten

Match the picture with the number.

Ans.

6

3

4

2


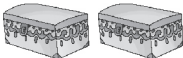


1

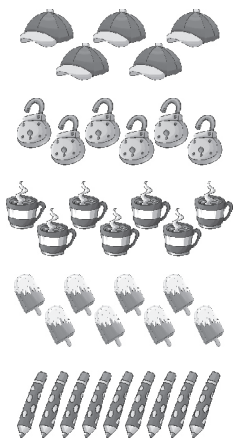
8

Numbers Names (1-9)

Look, read and practise the names..

Ans.

	1	One	One
	2	Two	Two
	3	Three	Three
	4	Four	Four



5 Five

Five

6 Six

Six

7 Seven

Seven

8 Eight

Eight

9 Nine

Nine

Concept of Zero

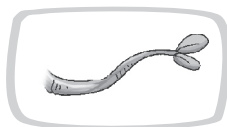
Fill in the empty boxes.

Ans.



2

Birds flew away



birds now 0

2 Birds sitting on a tree



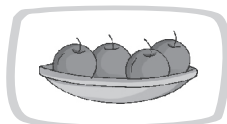
3

butterflies flew away



butterflies now 0

3 butterflies on the flower



4

apples are eaten



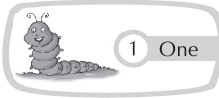
apples now 0

4 apples in a bowl

Building Numbers from 11 to 20

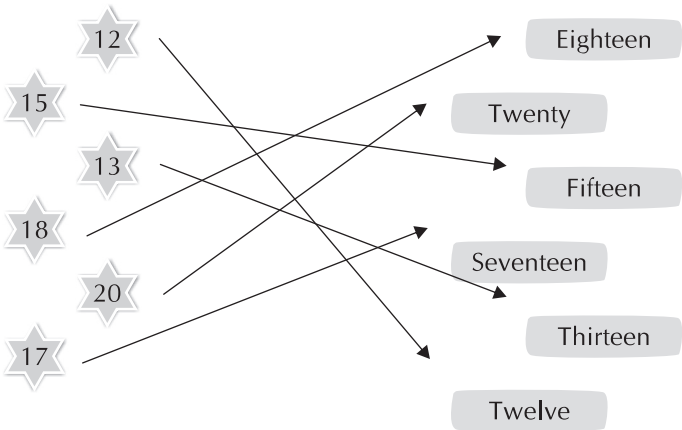
Count and write the number and its number name.

Ans.



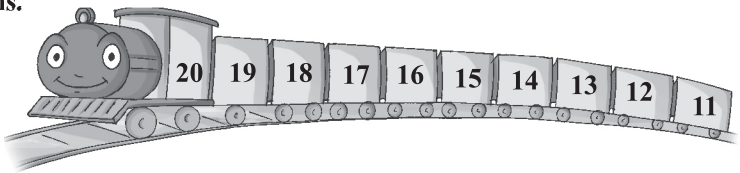
Match the numbers to the correct number names.

Ans.



Fill in the missing numbers.

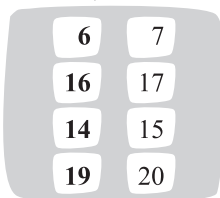
Ans.



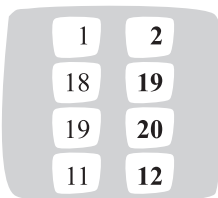
Before, After and Between

Write the number which.

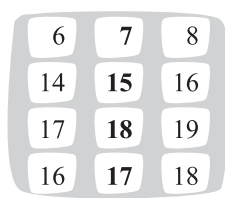
comes just before



comes just after



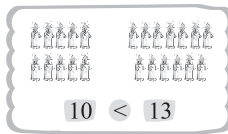
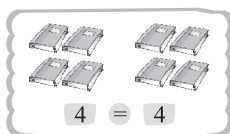
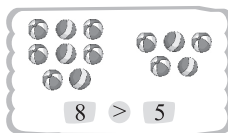
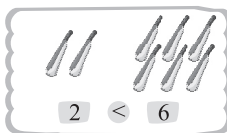
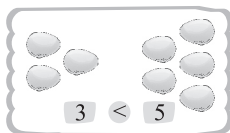
comes in between



Comparing Numbers

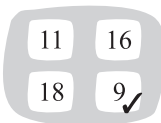
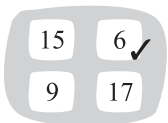
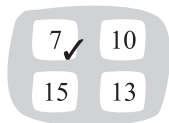
Count the number of objects and put $>$, $<$ or $=$ sign.

Ans.



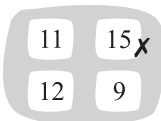
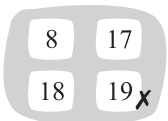
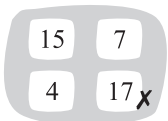
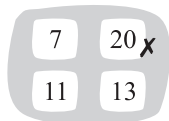
Tick (\checkmark) the smallest number in each group.

Ans.



Cross (\times) the biggest number in each group.

Ans.



Ordering of Numbers

Arrange the numbers in.

Ans.

ascending order

5	16	8	11
5	8	11	16
13	7	4	15
4	7	13	15
2	14	6	7
2	6	7	14
3	19	13	6
3	6	13	19

descending order

3	5	17	19
19	17	5	3
4	10	9	15
15	10	9	4
11	20	12	18
20	18	12	11
13	19	5	3
19	13	5	3

Arrange these numbers in ascending order :

- Ans. a. 7 8 13 15 19
b. 8 11 15 17 20
c. 11 13 16 17 19
d. 11 13 15 16 19
e. 3 9 11 15 17

Arrange these numbers in descending order :

- Ans. a. 17 14 13 11 4
b. 20 18 17 11 9
c. 19 15 10 8 7
d. 19 15 13 13 11
e. 20 15 11 10 5

NEP

 Art Integration

Ans. Do it yourself.

Fun With Maths

Look at the pictures given below and count how many.

Ans.



2



6



7



4



1






3



5

Addition

How many in all? Count and write.

Ans.  and  is  $2 + 4 = 6$




 and  is  $3 + 4 = 7$

 and  is  $4 + 1 = 5$

Properties of Addition




Adding 0

Now, try this

Ans.  4 +  0 +  4




Adding 1



Now, try this



Ans.  4 +  1 +  5



Vertical Addition



count the object and add the following :



Ans.
$$\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$$
 
$$\begin{array}{r} 3 \\ + 5 \\ \hline 8 \end{array}$$
 
$$\begin{array}{r} 4 \\ + 1 \\ \hline 5 \end{array}$$
 

6	
+ 3	
9	

1	
+ 5	
6	

8	
+ 1	
9	

3	
+ 4	
7	

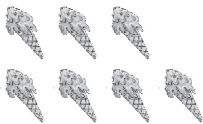
2	
+ 2	
4	

4	
+ 5	
9	

Missing Numbers

Look at the pictures to fill in the missing numbers :

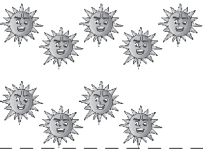
Ans.



$$\begin{array}{r} 3 \\ + 4 \\ \hline 7 \end{array}$$



$$\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$$



$$\begin{array}{r} 5 \\ + 4 \\ \hline 9 \end{array}$$



$$\begin{array}{r} 4 \\ + 3 \\ \hline 7 \end{array}$$



$$\begin{array}{r} 7 \\ + 4 \\ \hline 9 \end{array}$$



$$\begin{array}{r} 6 \\ + 2 \\ \hline 8 \end{array}$$



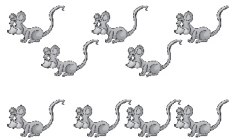
$$\begin{array}{r} 2 \\ + 3 \\ \hline 5 \end{array}$$



$$\begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array}$$



$$\begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array}$$



$$\begin{array}{r} 5 \\ + 4 \\ \hline 9 \end{array}$$

Add these numbers.

Ans.

$\begin{array}{r} 4 \\ +3 \\ \hline 7 \end{array}$	$\begin{array}{r} 3 \\ +3 \\ \hline 6 \end{array}$	$\begin{array}{r} 1 \\ +8 \\ \hline 9 \end{array}$	$\begin{array}{r} 7 \\ +1 \\ \hline 8 \end{array}$	$\begin{array}{r} 3 \\ +2 \\ \hline 6 \end{array}$	$\begin{array}{r} 5 \\ +2 \\ \hline 7 \end{array}$
$\begin{array}{r} 5 \\ +1 \\ \hline 6 \end{array}$	$\begin{array}{r} 7 \\ +0 \\ \hline 7 \end{array}$	$\begin{array}{r} 2 \\ +3 \\ \hline 5 \end{array}$	$\begin{array}{r} 2 \\ +6 \\ \hline 8 \end{array}$		

Adding Three Numbers

Add the following.


Ans.

$\begin{array}{r} 1 + 5 + 0 = 6 \\ \swarrow \quad \searrow \\ 6 \end{array}$	$\begin{array}{r} 3 \\ 1 \rightarrow 4 \\ + 2 \rightarrow + 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 4 \\ 0 \rightarrow 4 \\ + 3 \rightarrow + 3 \\ \hline 7 \end{array}$
$\begin{array}{r} 1 + 2 + 5 = 8 \\ \swarrow \quad \searrow \\ 3 \end{array}$	$\begin{array}{r} 3 \\ 4 \rightarrow 7 \\ + 2 \rightarrow + 2 \\ \hline 9 \end{array}$	$\begin{array}{r} 1 \\ 3 \rightarrow 4 \\ + 4 \rightarrow + 4 \\ \hline 8 \end{array}$


Word Problems

Solve the following word problems.

Ans.

1. There are 3 cows in the field. 1 more cows joins them. How many cows are there in all? 

Ans. There are 4 cows in all. $\begin{array}{r} 3 \\ + 1 \\ \hline 4 \end{array}$

2. Ravi has 1 marbles. Vikas has 5 marbles. How many marbles do they have in all? 

Ans. They have 6 marbles in all. $\begin{array}{r} 1 \\ + 5 \\ \hline 6 \end{array}$

3.

There are 4 cookies on a plate.

Naaj added 2 more cookies. How many cookies are there in all?



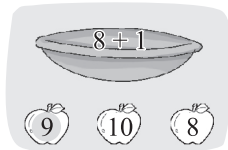
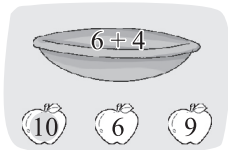
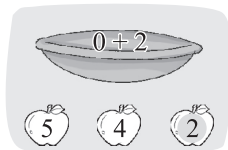
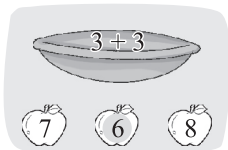
$$\begin{array}{r} 4 \\ + 2 \\ \hline 6 \end{array}$$

Ans. There are 6 cookies on the plate in all.

Fund With Maths

Help John find the good apple in each basket. Add the numbers in each basket. The apple with correct answer is the good apple. Colour it.

Ans.



MCQs

Choose the correct option.

Ans. 1. a

2. a

3. c

4. c

NEP



Circle the correct pair of numbers that add up to the number which kim is holding.

Ans.

8

$$\begin{array}{r} 6 + 1 \\ 3 + 5 \\ 5 + 4 \end{array}$$

5

$$\begin{array}{r} 3 + 7 \\ 3 + 1 \\ 3 + 2 \end{array}$$

6

$$\begin{array}{r} 6 + 1 \\ 4 + 2 \\ 3 + 4 \end{array}$$

9

$$\begin{array}{r} 4 + 5 \\ 3 + 7 \\ 6 + 2 \end{array}$$

Maths Lab Activity

Ans. Do it yourself.

Subtraction

Look at the following. Fill in the boxes.

Ans.



4 apples in the basket.



1 apple is eaten.



Now 3 apples are left.



There are 5 birds.



2 birds fly away.



Now 3 birds are left.

Now, take away and write the answer.

Ans.



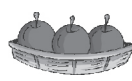
5

-

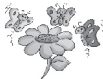


2

=



3



3

-



2

=

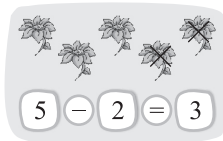
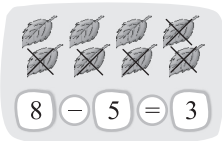


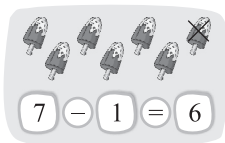
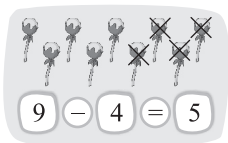
1

Subtraction by Crossing out

Cross out to subtract and fill in the box.

Ans.





Properties of Subtraction

Subtracting 1

Try this.

Ans. $5 - 1 = 4$

Subtracting a Number from Itself

Try this.

Ans. $4 - 4 = 0$

Subtract the following.

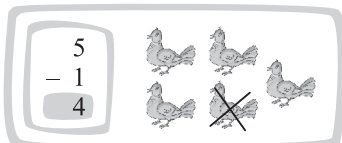
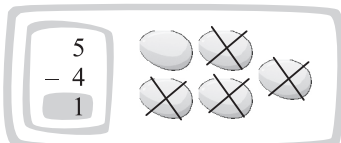
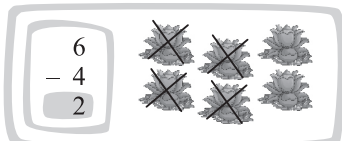
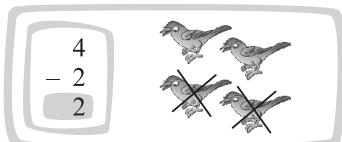
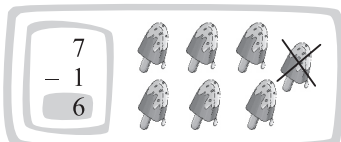
Ans. $4 - 1 = 3$ $7 - 7 = 0$ $1 - 1 = 0$ $9 - 0 = 9$

$9 - 9 = 0$ $2 - 0 = 2$ $6 - 1 = 5$ $3 - 1 = 2$

Vertical Subtraction

Cross (X) out and subtract.

Ans.



Subtract the following.

Ans.

$$\begin{array}{r} 8 \\ - 5 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 6 \\ - 5 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 7 \\ - 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline 5 \end{array}$$

Word Problems

Solve the following word problems.

Ans.

1. Jignesh had 7 crayons. He lost 2 of them.
How many are left?

Answer 😊 : Jignesh has left with 5 crayons.

$$\begin{array}{r} 7 \\ - 2 \\ \hline 5 \end{array}$$

2. Shahana has 8 bangles. She gave 3 bangles to her sister.
How many bangles are left with Shahana?

Answer 😊 : She has left 5 bangles with her.

$$\begin{array}{r} 8 \\ - 3 \\ \hline 5 \end{array}$$

3. Ishita has 9 eggs. 5 eggs are broken.
How many eggs are left with Ishita now?

Answer 😊 : Ishita has left with 4 eggs.

$$\begin{array}{r} 9 \\ - 5 \\ \hline 4 \end{array}$$

4. There were 7 idlis on the plate. 4 were eaten.
How many are left?

Answer 😊 : 3 Idlis are left on the plate.

$$\begin{array}{r} 7 \\ - 4 \\ \hline 3 \end{array}$$

Multiple Choice Questions (MCQs)

Choose the correct option.

Ans. 1. b

2. c

3. b

4. c

5. c

Ordinal Numbers

Now, answer the following questions :

Ans. Rahul is standing at **first** position.

Ashu is standing at **ninth** position.

Seventh position is for Gopal.

Riya is at **third** position and Teena is at **sixth** position.

Colour the correct picture from the left.

Ans.

Third



Second



Fifth



Fourth



Look at the picture and tick (✓) the correct sentences and cross (X) the wrong ones.

a. Bob comes third



b. Sameer comes second



c. Rohit comes first



d. Monu comes fifth



e. Ali comes fourth



Mental Maths

Look at the string of breads and answer the questions.

Ans. a. Third

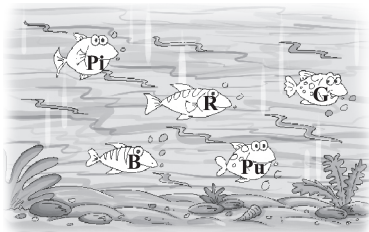
b. Third

c. One/Front

Fun with Maths

Colour the fish as directed.

third—red, fourth—blue, first—green, second—purple and fifth—pink
Ans.



Chapter

5

Shapes and Patterns

Plane Shapes

Trace the following shapes and name them.

Ans.



Oval



Square



Triangle



Circle



Rectangle

Match the following.

Ans.



Triangle



Square



Circle



Rectangle

Solid Shapes

Identify the given solid shape.

Ans.



Cube



Cone



Cylinder

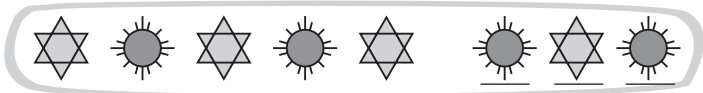


Sphere

Patterns

Complete the patterns and colour them.

Ans.



Circle the object that comes next.

Ans.



Number Patterns

Observe and complete the pattern of numbers :

Ans.

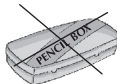
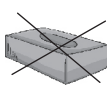
2	4	6	8	10	12
3	6	9	12	15	18
5	9	13	17	21	25
37	32	27	22	17	12

Rolling and Sliding

Circle the objects which roll and cross (X) the objects which slide. :

Ans.

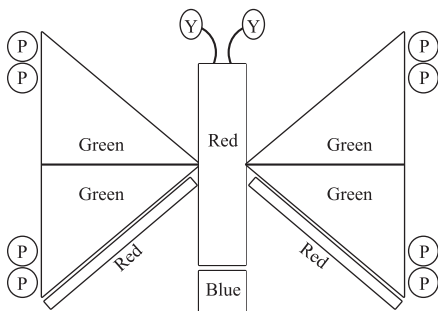




NEP

Colour the rectangle red, the square blue, the triangle green, the circle pink and the ovals yellow in the given figure.

Ans.



Multiple Choice Questions (MCQs)

Choose the correct option.

Ans. 1. a

2. a

3. c

Project

Do it yourself.





Chapter

6





Addition and Subtraction up to 20

Count and add





$\bullet \bullet \bullet \bullet$ and $\bullet \bullet \bullet \bullet \bullet$
 $\boxed{5}$ and $\boxed{6}$ make $\boxed{1}$ ten and $\boxed{1}$ one
 $\boxed{5} + \boxed{6} = \boxed{11}$

 7 and 6 make 10 ten and 3 ones
 7 + 6 = 13

 5 and 3 make 0 ten and 8 one
 5 + 3 = 8

 5 and 9 make 10 ten and 4 ones
 5 + 9 = 14

Count Forward to Add

Add using the number strip.

Ans.

$$\begin{array}{r} 7 \\ + 8 \\ \hline 15 \end{array}$$



$$\begin{array}{r} 2 \\ + 9 \\ \hline 11 \end{array}$$



$$\begin{array}{r} 6 \\ + 3 \\ \hline 9 \end{array}$$



$$\begin{array}{r} 3 \\ + 8 \\ \hline 11 \end{array}$$



$$\begin{array}{r} 4 \\ + 8 \\ \hline 12 \end{array}$$



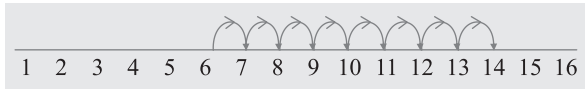
$$\begin{array}{r} 7 \\ + 9 \\ \hline 16 \end{array}$$



$$\begin{array}{r} 8 \\ + 5 \\ \hline 13 \end{array}$$



$$\begin{array}{r} 6 \\ + 8 \\ \hline 14 \end{array}$$



Addition by drawing lines

Add and write the answer in the box.

Ans.

$$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 8 \\ + 2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 9 \\ + 4 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 10 \\ + 8 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 12 \\ + 5 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 9 \\ + 2 \\ \hline 11 \end{array}$$

Count Back to Subtract

Subtract using the number strip.

Ans.



Start at 17.

Count back 3 boxes. The answer is 14.

Answer 😊 : 14.

Do same as done above.

$$\begin{array}{r} 17 \\ - 3 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 16 \\ - 5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 18 \\ - 4 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 11 \\ - 1 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 18 \\ - 5 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 19 \\ - 6 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 12 \\ - 0 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 13 \\ - 2 \\ \hline 11 \end{array}$$

Subtraction by Cutting objects

Cross (X) out and solve.

Ans.

May I have
5 pencils?



$$\begin{array}{r} 15 \\ - 5 \\ \hline 10 \end{array}$$

I want
✗crayon.



$$\begin{array}{r} 11 \\ - 1 \\ \hline 10 \end{array}$$

I need
7 flowers.



$$\begin{array}{r} 18 \\ - 7 \\ \hline 11 \end{array}$$

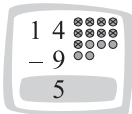
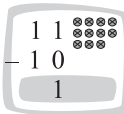
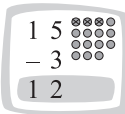
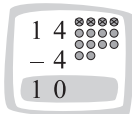
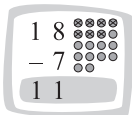
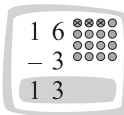
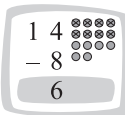
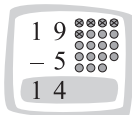
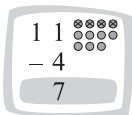
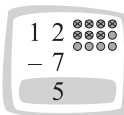
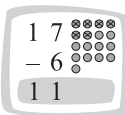
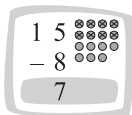
Please give
me 4 toffees.



$$\begin{array}{r} 14 \\ - 4 \\ \hline 10 \end{array}$$

Draw as many counters as the bigger number. Now subtract by crossing out them. One has been done for you.

Ans.



Word Problems

Solve the following word problems.

Ans.

1.

Jeetu has 11 stamps and Meetu has 9 stamps.

Answer 😊 : Now they have 20 stamps altogether.

$$\begin{array}{r} 11 \\ + 9 \\ \hline 20 \end{array}$$

2.

Mohini had 15 rupees. Her father gave her 5 rupees more.

Answer 😊 : Mohini has 20 rupees now.

$$\begin{array}{r} 15 \\ + 5 \\ \hline 20 \end{array}$$

3.

There are 12 bananas and 6 apples in a basket.

Answer 😊 : There are 18 fruits in the basket.

$$\begin{array}{r} 12 \\ + 6 \\ \hline 18 \end{array}$$

4.

Dhani bought 16 eggs. 6 of them are broken.

Answer 😊 : 10 eggs are left with Dhani.

$$\begin{array}{r} 16 \\ - 6 \\ \hline 10 \end{array}$$

5.

Kush had 18 story books. He gave 6 story books to his friend.

Answer 😊 : 12 story books are left with him.

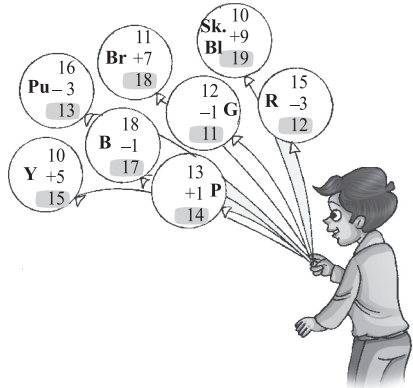
$$\begin{array}{r} 18 \\ - 6 \\ \hline 12 \end{array}$$

Fun with Maths

Add or subtract the numbers and colour the balloons.

If your answer is :

- 11, colour the balloon green.
- 12, colour the balloon red.
- 13, colour the balloon purple.
- 15, colour the balloon yellow.
- 14, colour the balloon pink.
- 17, colour the balloon blue.
- 18, colour the balloon brown.
- 19, colour the balloon sky blue.



HOTS

16 bananas are left with Teena.

MCQs

Choose the correct option.

Ans. 1. a

2. c

3. b

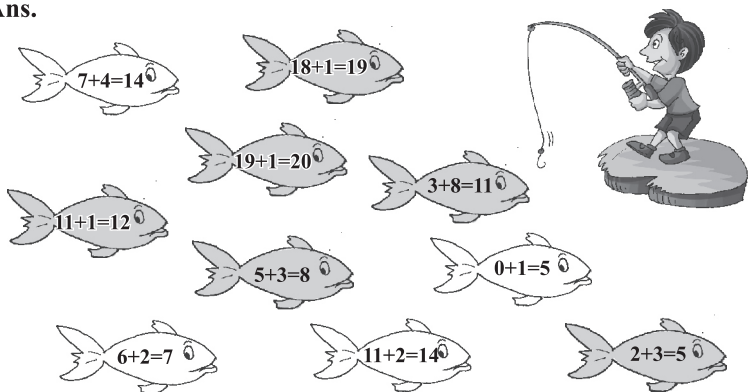
4. b

NEP



Romy wants to catch only those fish which have correct answers on them. Colour the fish that Romy caught.

Ans.



Chapter

7

Numbers From 21 to 100

Mental Maths

Correct the spelling of the number names :

Ans. tewnty

twenty

twelwe

twelve

thirty-ivfe

thirty-five

tewnty-neves

twenty-seven

forty-owt

forty-two

tyffi

fifty

sitteen

sixteen

oftry

forty

Write the correct number in the blank boxes :

Ans. 2 tens + 7 ones = 27 31 = 3 tens and 1 one

$$2 \text{ tens} + 6 \text{ ones} = 26 \quad 48 = 4 \text{ tens and } 8 \text{ ones}$$

$$5 \text{ tens} + 0 \text{ ones} = 50 \quad 27 = 2 \text{ tens and } 7 \text{ ones}$$

$$3 \text{ tens} + 3 \text{ ones} = 33 \quad 39 = 3 \text{ tens and } 9 \text{ ones}$$

Write the numbers for the following :

Ans.

Fifty

50

Twenty-seven

27

Forty-two

42

Thirty-eight

38

Thirty

30

Twenty-six

26

Thirty-nine

39

Forty-seven

47

Twenty-one

21

Nineteen

19

Write the number before, after or in between the given numbers.

Ans.

before

after

in between

27

28

32

33

27

28

29

47

48

39

40

48

49

50

Numbers 50 to 100

Fill in the missing numbers.

Ans.

50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
95	96	97	98	99	100	×	×	×	×	×	×	×	×	×

What comes just before the given number?

Ans.

78

79

63

64

80

81

51

52

45

46

32

33

What comes just after the given number?

Ans.

91

92

86

87

72

73

63

64

68

69

54

55

What comes in between the given number?

Ans. 42 43 44 56 57 58 51 52 53
71 72 73 66 67 68 89 90 91

Write backward counting.

Ans. 99 98 97 96 95 94 93 92 91 90
71 70 69 68 67 66 65 64 63 62
50 49 48 47 46 45 44 43 42 41

Match the following :

Ans. 38	↗	Seventy-two		83	↗	Eighty-six
93	↘	Forty-nine		45	↘	Forty-six
51	↗	Thirty-eight		86	↘	Forty-five
72	↘	Ninety-three		46	↗	Twenty-one
49	↗	Fifty-one		21	↘	Eighty-three




Comparison of Numbers

Put the correct sign $<$, $>$ or $=$ in the box :

Ans. 43 $<$ 85 90 $>$ 39 54 $>$ 49
68 $<$ 86 41 $=$ 41 76 $>$ 67
73 $>$ 63 82 $<$ 99 71 $<$ 80
90 $>$ 80 19 $=$ 19 44 $<$ 70

Write the biggest numbers in the flower :

Ans. 18 9 25 86 43 57 66 80 74

Write the smallest numbers in the flower :

Ans. 41 32 22 24 76 67 87 59 83



Arrange the following in ascending order.

Ans. 80 50 35 28 46 28 35 46 50 80

72 38 47 49 76 38 47 49 72 76

80 32 96 44 71 32 44 71 80 96

Arrange the following in descending order.

Ans. 28 65 93 39 48 93 65 48 39 28

40 70 45 90 33 90 70 45 40 33

34 43 38 19 39 43 39 38 34 19

Fun with Maths

- Crossword puzzle.

(Find the number names from 11 to 20)

Ans.

e	i	e	i	g	h	t	e	e	n	t
n	t	l	e	l	e	v	e	s	i	h
t	w	e	l	v	e	f	l	i	n	i
s	e	v	e	e	t	i	v	c	e	r
i	l	e	v	n	w	t	e	t	t	t
x	v	n	i	n	e	t	e	e	n	e
t	e	e	n	i	n	e	t	e	e	e
e	f	f	i	f	t	e	e	n	e	n
e	l	e	v	e	y	n	l	n	e	t
n	s	e	v	e	n	t	e	e	n	e
f	o	u	r	t	e	e	n	e	e	n



MCQs

Choose the correct option :

Ans. 1. b

2. c

3. c

4. c

NEP



Ans. Do it yourself.

Chapter

8 Multiplication

Introduction to Multiplication

Ans. There are 4 sets of balloons. Each set has 3 balloons.

So, $3 + 3 + 3 + 3 = 12$ balloons.


4 times $3 = 12$


or $4 \times 3 = 12$



Fill in the boxes.

Ans.


 $2 + 2 + 2 + 2 + 2 = 5 \times 2 = 10$


 $5 + 5 + 5 = 3 \times 5 = 15$


 $4 + 4 + 4 = 3 \times 4 = 12$

Multiplication as Repeated Addition

Change the following multiplication forms to the repeated addition forms.

Ans. $3 \times 6 = 6 + 6 + 6$

$$2 \times 4 = 4 + 4$$

$$5 \times 3 = 3 + 3 + 3 + 3 + 3$$

$$3 \times 10 = 10 + 10 + 10$$

Mental Maths

Match the picture given in the middle column to its multiplication form and repeated addition form by drawing lines.


Ans.


Multiplication form	Pictorial form	Repeated addition form
5×3		$1 + 1 + 1 + 1 + 1 + 1$
3×5		$6 + 6 + 6 + 6$
6×1		$5 + 5 + 5$
4×6		$3 + 3 + 3 + 3 + 3$

Multiplication Tables

Fill in the boxes.

Ans.


₹ 4


₹ 4

Buy 1 kite for ₹ 4


Buy 2 kites for ₹ 4 + ₹ 4 = ₹ 8


2 fours = 8

2 times 4 = 8

2 × 4 = 8

Answer 😊 : ₹ 8


₹ 5


₹ 5

Buy 1 mango for ₹ 5

Buy 2 mangoes for ₹ 5 + ₹ 5 = ₹ 10

2 fives = 10

2 times 5 = 10

2 × 5 = 10

Answer 😊 : ₹ 10

Write the product of the following :

Ans. $2 \times 5 = 10$ | $6 \times 2 = 12$ | $4 \times 4 = 16$
 $9 \times 10 = 90$ | $7 \times 4 = 28$ | $10 \times 5 = 50$
 $8 \times 2 = 16$ | $5 \times 5 = 25$ | $3 \times 7 = 21$

Vertical Multiplication

Multiply :

Ans.

$\begin{array}{r} \text{T O} \\ 3 \\ \times 1 \\ \hline 3 \end{array}$	$\begin{array}{r} \text{T O} \\ 5 \\ \times 1 \\ \hline 5 \end{array}$	$\begin{array}{r} \text{T O} \\ 5 \\ \times 5 \\ \hline 25 \end{array}$	$\begin{array}{r} \text{T O} \\ 7 \\ \times 4 \\ \hline 28 \end{array}$	$\begin{array}{r} \text{T O} \\ 9 \\ \times 2 \\ \hline 18 \end{array}$	$\begin{array}{r} \text{T O} \\ 4 \\ \times 3 \\ \hline 12 \end{array}$
$\begin{array}{r} \text{T O} \\ 8 \\ \times 5 \\ \hline 40 \end{array}$	$\begin{array}{r} \text{T O} \\ 3 \\ \times 5 \\ \hline 15 \end{array}$	$\begin{array}{r} \text{T O} \\ 6 \\ \times 2 \\ \hline 12 \end{array}$	$\begin{array}{r} \text{T O} \\ 5 \\ \times 8 \\ \hline 40 \end{array}$	$\begin{array}{r} \text{T O} \\ 4 \\ \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} \text{T O} \\ 6 \\ \times 3 \\ \hline 18 \end{array}$

MCQs

Choose the correct option :

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

Maths Lab Activity

Do it yourself.

Division as Repeated Subtraction

Divide by repeated subtraction :

Ans.

$$\begin{array}{l}
 20 \div 5 \\
 20 - 5 = 15 \quad ① \\
 15 - 5 = 10 \quad ② \\
 10 - 5 = 5 \quad ③ \\
 5 - 5 = 0 \quad ④ \\
 \therefore 20 \div 5 = 4
 \end{array}$$

$$\begin{array}{l}
 4 \div 2 \\
 4 - 2 = 2 \quad ① \\
 2 - 2 = 0 \quad ② \\
 \therefore 4 \div 2 = 2
 \end{array}$$

$$\begin{array}{l}
 6 \div 2 \\
 6 - 2 = 4 \quad ① \\
 4 - 2 = 2 \quad ② \\
 2 - 2 = 0 \quad ③ \\
 \therefore 6 \div 2 = 3
 \end{array}$$

$$\begin{array}{l}
 10 \div 5 \\
 10 - 5 = 5 \quad ① \\
 5 - 5 = 0 \quad ② \\
 \therefore 10 \div 5 = 2
 \end{array}$$

$$\begin{array}{l}
 12 \div 3 \\
 12 - 3 = 9 \quad ① \\
 9 - 3 = 6 \quad ② \\
 6 - 3 = 3 \quad ③ \\
 3 - 3 = 0 \quad ④ \\
 \therefore 12 \div 3 = 4
 \end{array}$$

$$\begin{array}{l}
 18 \div 6 \\
 18 - 6 = 12 \quad ① \\
 12 - 6 = 6 \quad ② \\
 6 - 6 = 0 \quad ③ \\
 \therefore 18 \div 6 = 3
 \end{array}$$

Division as Making Equal Sets

Ans. Divide 12 pencils into 4 boys.



$$12 \div 4 = 3$$

So, each boy gets 3 pencils.

Divide 18 apples into 6 baskets.



$$18 \div 6 = 3$$

So, there are 3 apples in each basket.

Divide 30 books into 6 bags.



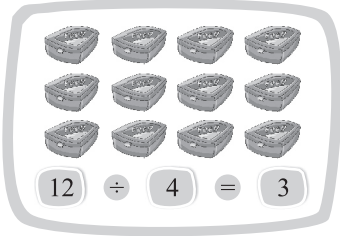
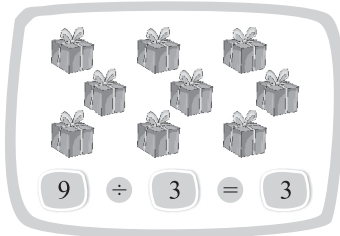
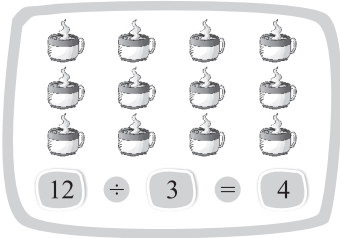
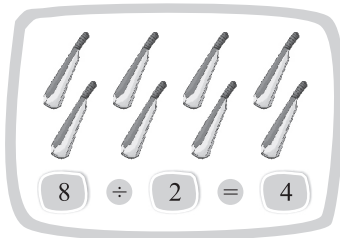
$$30 \div 6 = 5$$

So, there are 5 books in each bag.

Fun with Maths

Make group to divide and fill in the boxes :

Ans.

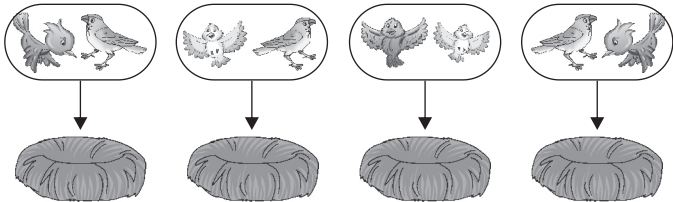


NEP

Communication

Take 8 birds to 4 nests so that there are an equal number of birds on each nest.

Ans.



There are $(8 \div 4 = 2)$ birds on each nest.

Counting Money

Count how much money :

Ans.

$$\text{₹10} + \text{₹5} + \text{₹5} + \text{₹3} = \text{₹ } 18$$

$$\text{₹10} + \text{₹10} + \text{₹5} + \text{₹5} = \text{₹ } 30$$

$$\text{₹10} + \text{₹5} + \text{₹5} + \text{₹5} + \text{₹4} = \text{₹ } 19$$

Circle the correct number of coins.

Ans.



Write the amount of money with each child.

Ans.

14
rupees26
rupees56
rupees

HOTS

Ans.



Fun with Maths

Look at the given example and write how much Ansh's father will have to pay if they go on the following rides.

Ans.



+



$$₹ 20 + ₹ 15 = ₹ 35$$



+



$$₹ 25 + ₹ 15 = ₹ 40$$



+



$$₹ 25 + ₹ 20 = ₹ 45$$

Chapter

11 Data Handling

Mrs Rao is cleaning the fridge. Her son Vikram is helping her. Vikram has some fun. he draws a chart of the vegetables and fruits taken out of the fridge.

Ans. 1.   






2. 7

3. 17

4. Vegetables 10

Look at the scene of a birthday party. Count the objects and colour the circle yellow with correct answer :

Ans.

	3	1	2
	5	3	1
	5	10	3
	5	10	9
	6	8	14



Collecting Data

Study the pictures given below carefully and answer the questions.

- Ans. 1. 12 children 2. 10 boys 2 girls
3. 2 4. 4 children

Mental Maths

Tick (✓) the objects and animals that are taller than you.



- Ans. How many objects and animals are smaller than you? 2

Project

Let us find out how students in your class come to school. Note in the table, then answer the questions given below.

Ans. Do it yourself.

Maths Lab Activity

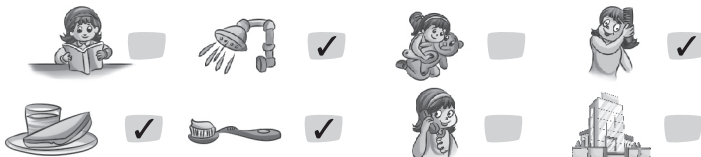
Do it yourself.

Chapter

12 Time

Tick (✓) the activities Shruti must do before going to school.

Ans.



Reading Time

Read and write the time :

Ans.



2 o'clock



8 o'clock



5 o'clock



7 o'clock



1 o'clock



11 o'clock

Draw the hands to show the time :

Ans.



3 o'clock



2 o'clock



8 o'clock



9 o'clock



6 o'clock



10 o'clock

HOTS

Ans. She went at 10 o'clock to bed.

Days of the Week

Write 'T' for True and 'F' for False :

- Ans.** Sunday is the first day of the week.
Saturday is the second day of the week.
Friday comes just after Thursday.
Thursday is in the middle of the week.

F
F
T
T

Unscramble the words.

- | | | |
|--------------------|------------------|-----------------|
| Ans. UNSDYA | RFIADY | NOMADY |
| SUNDAY | FRIDAY | MONDAY |
| TESDUAY | DESWENADY | YHUSTRAD |
| TUESDAY | WEDNESDAY | THURSDAY |

Months of the Year

Fill in the blanks :

- Ans.** March has **31** days.
A year has **12** months.
Leap year comes every **Fourth** year.
June comes after **May**.
August is the eighth month of the year.
January is the first month of the year.
December is the last month of the year.
A leap year has **366** days.
July comes in between **June** and **August**.

Project

Find the date on which we celebrate the following days.

- | | |
|--------------------------|-------------|
| Ans. Republic day | 26 January |
| Independence day | 15 August |
| Christmas day | 25 December |
| New year | 1 January |
| Gandhi Jayanti | 2 October |
| Children's Day | 14 November |

MCQs

Choose the correct option :

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

Fun with Maths

Help Rony to find the months of the year in the words search.

Ans.

J	A	N	U	A	R	Y	A	N	G	J	T	M	T	L
P	A	G	N	P	I	K	A	D	A	U	G	U	S	T
I	T	M	S	R	O	S	E	E	P	L	T	M	B	R
P	Q	R	S	I	M	A	R	C	H	Y	T	U	V	R
N	O	V	E	L	A	B	E	E	R	S	J	K	L	M
I	F	P	Q	S	Y	M	N	M	O	E	O	T	S	T
W	E	D	N	E	S	A	D	B	S	P	C	S	S	S
M	B	N	S	D	A	S	Y	E	X	T	T	X	W	N
H	R	Y	J	U	N	E	O	R	M	O	O	M	S	I
G	U	E	Y	C	U	P	T	T	T	B	B	X	X	P
D	A	T	U	X	T	T	R	M	K	E	E	I	O	P
C	R	S	N	O	V	E	M	B	E	R	R	A	Y	I
J	Y	N	E	Y	C	M	U	O	I	Y	Z	P	O	P
S	A	T	U	R	D	B	Y	A	K	M	T	R	X	S
T	H	U	S	R	D	E	Y	O	P	M	A	R	T	C
J	U	M	E	J	X	R	B	R	E	R	S	J	A	N

Note



Note



Note



Lined writing area for notes.