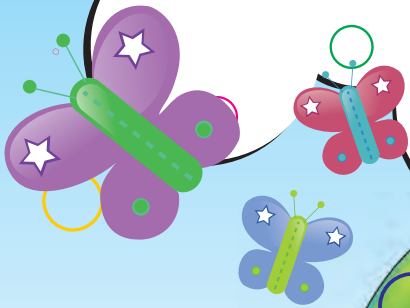




Learn with Fun

Mathematics

Primer



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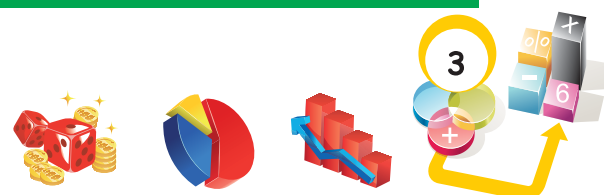
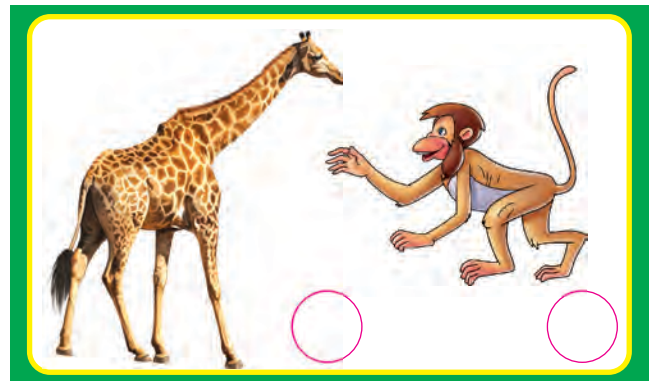
Comparison of Size

Tallest-Shortest

Tick (✓) the tallest and cross (✗) the shortest.



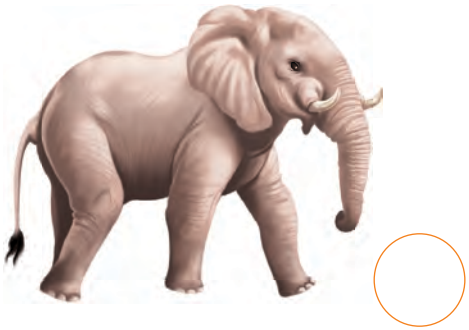
Tick (✓) the tall and cross (✗) the short.



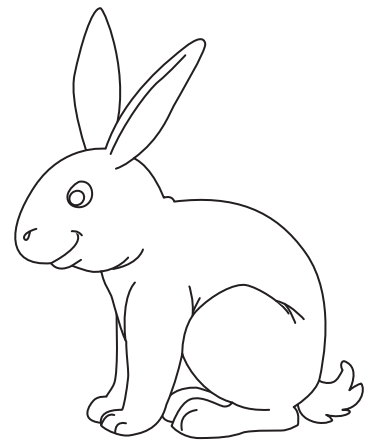
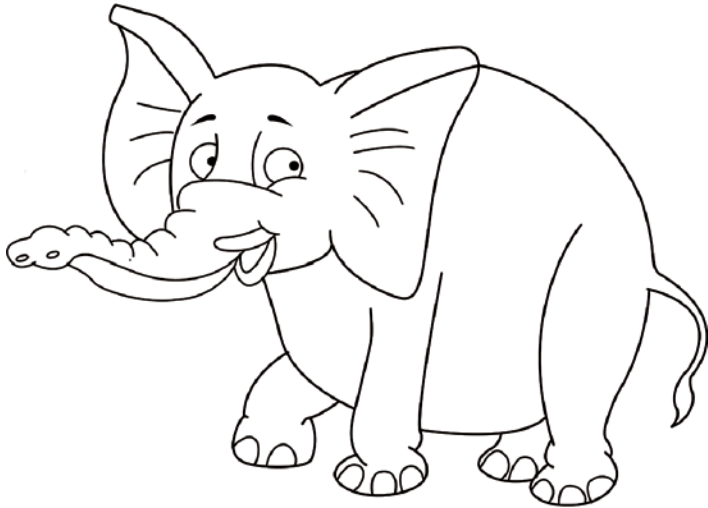
Biggest–Smallest

Heaviest–Lightest

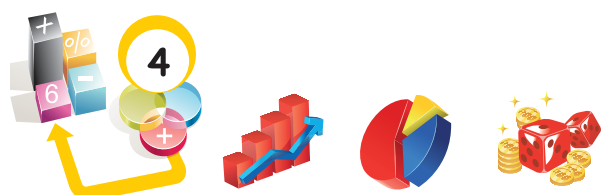
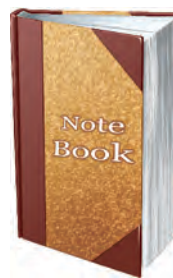
Look at the pictures and cross (X) the biggest and tick (✓) the smallest.

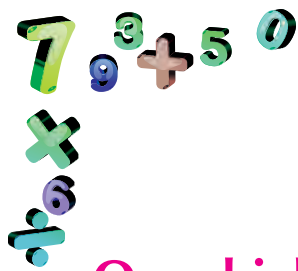


Colour red the big and green the small.



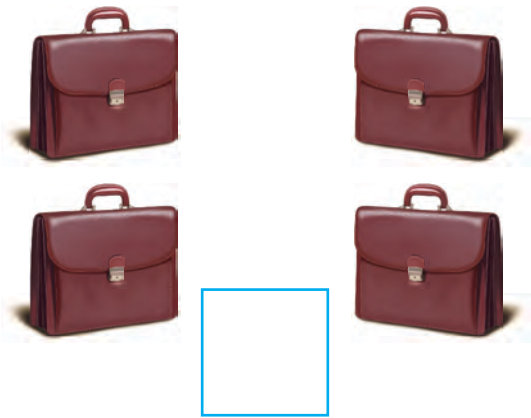
Tick (✓) the heavy object and cross (X) the light object.



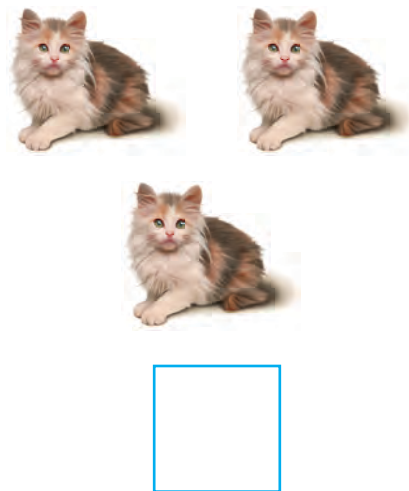
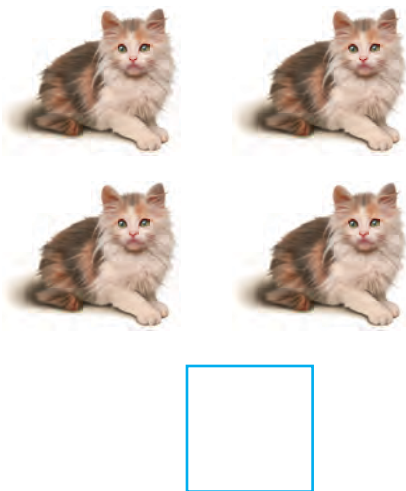


More, Less and Equal

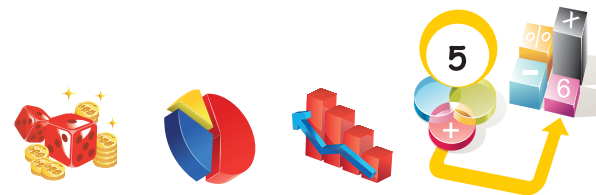
On which side objects are more. Tick (✓) the collection which has **more** objects.



On which side objects are less. Tick (✓) the collection which has **less** objects.



See carefully and put the appropriate sign in the given box.

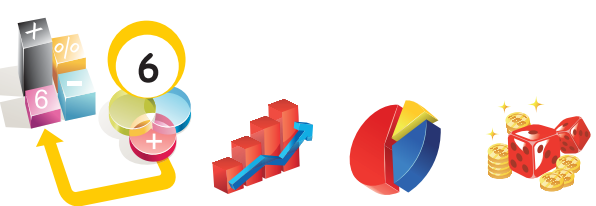




Number Names : 1 to 10

Singing Time!











- 1** One
One, two
- 2** Two
Polish my shoe.
- 3** Three
Three, four
- 4** Four
Open the door.
- 5** Five
Five, Six
- 6** Six
Pick up the sticks.
- 7** Seven
Seven, eight
- 8** Eight
Lay them straight.
- 9** Nine
Nine, ten
- 10** Ten
A big fat hen.





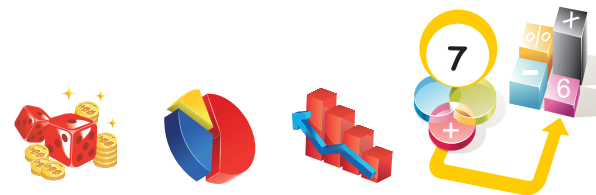
COUNT AND MATCH

Count and match the following. One has been done for you.

- Five
- Four
- Ten
- One
- Two
- Eight
- Three
- Six
- Seven
- Nine

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10



COUNT AND WRITE

Count and write the number of the following objects.

9

7

1

6

2

4

3

8

6



Count the objects and circle the right number given below. One has been done for you.



8 5 3 7



4 3 5 2



7 4 3 8



3 1 8 6



3 1 5 6



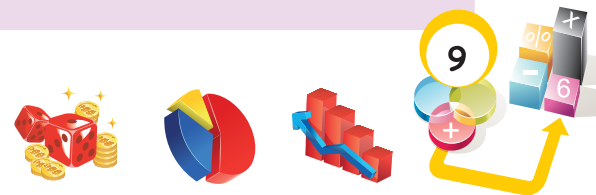
5 10 1 6



9 2 7 5











5 2 3 6



COUNT AND TICK


Count the number of objects of each group and write the number in the box. Tick (✓) the group which has less objects. One has been done for you.

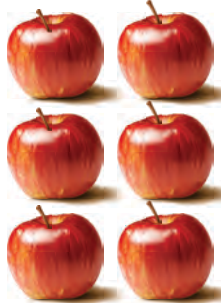

	
	
<input type="text" value="5"/> <input checked="" type="checkbox"/>	<input type="text" value="6"/> <input type="checkbox"/>

	
	
<input type="text"/> <input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>

	
<input type="text"/> <input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>

	
<input type="text"/> <input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>

	
<input type="text"/> <input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>

	
<input type="text"/> <input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>



Number Names : 11 to 20

Ten and one more make eleven.



Eleven

Tens	Ones
1	1

10 and 1 together make 11. Eleven

Ten and two more make twelve.



Twelve

Tens	Ones
1	2

10 and 2 together make 12. Twelve

Ten and three more make thirteen.



Thirteen

Tens	Ones
1	3

10 and 3 together make 13. Thirteen

Ten and four more make fourteen.



Fourteen

Tens	Ones
1	4

10 and 4 together make 14. Fourteen

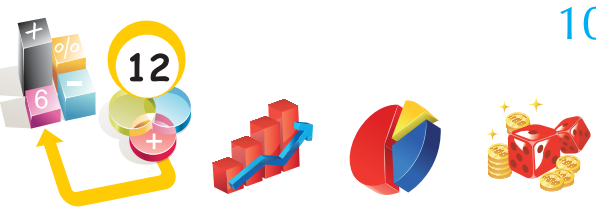
Ten and five more make fifteen.

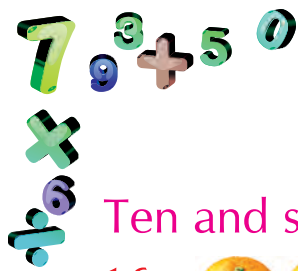


Fifteen

Tens	Ones
1	5

10 and 5 together make 15. Fifteen





Ten and six more make sixteen.



10 and 6 together make 16.

Tens	Ones
1	6

Sixteen

Sixteen

Ten and seven more make seventeen.



10 and 7 together make 17.

Tens	Ones
1	7

Seventeen

Seventeen

Ten and eight more make eighteen.



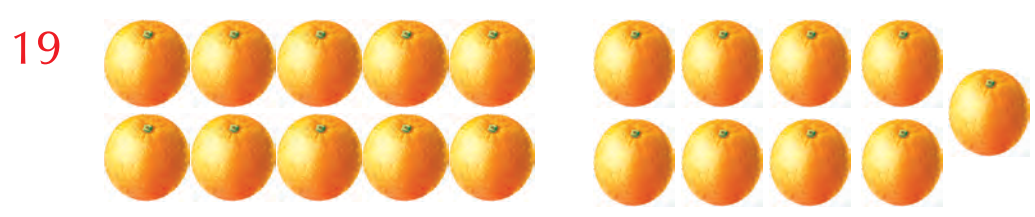
10 and 8 together make 18.

Tens	Ones
1	8

Eighteen

Eighteen

Ten and nine more make nineteen.



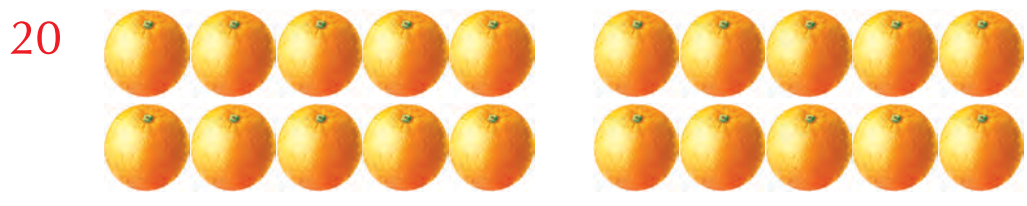
10 and 9 together make 19.

Tens	Ones
1	9

Nineteen

Nineteen

Ten and ten more make twenty.

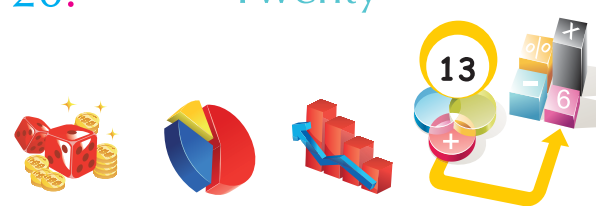


10 and 10 together make 20.


Tens	Ones
2	0

Twenty

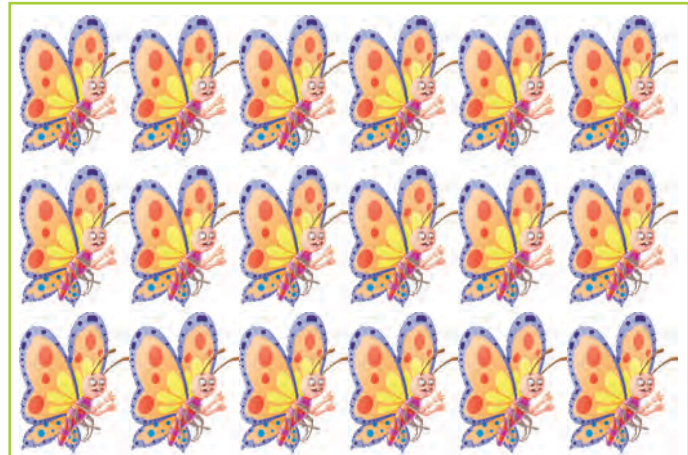
Twenty




Count and tick (✓) the correct number.




11 14 17 16



15 16 17 18




13 12 14 11



15 14 16 17



13 11 18 20

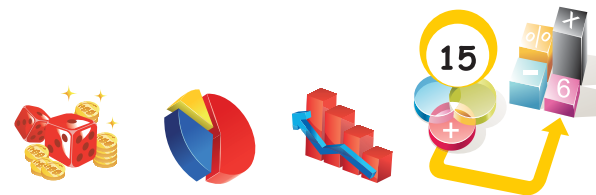
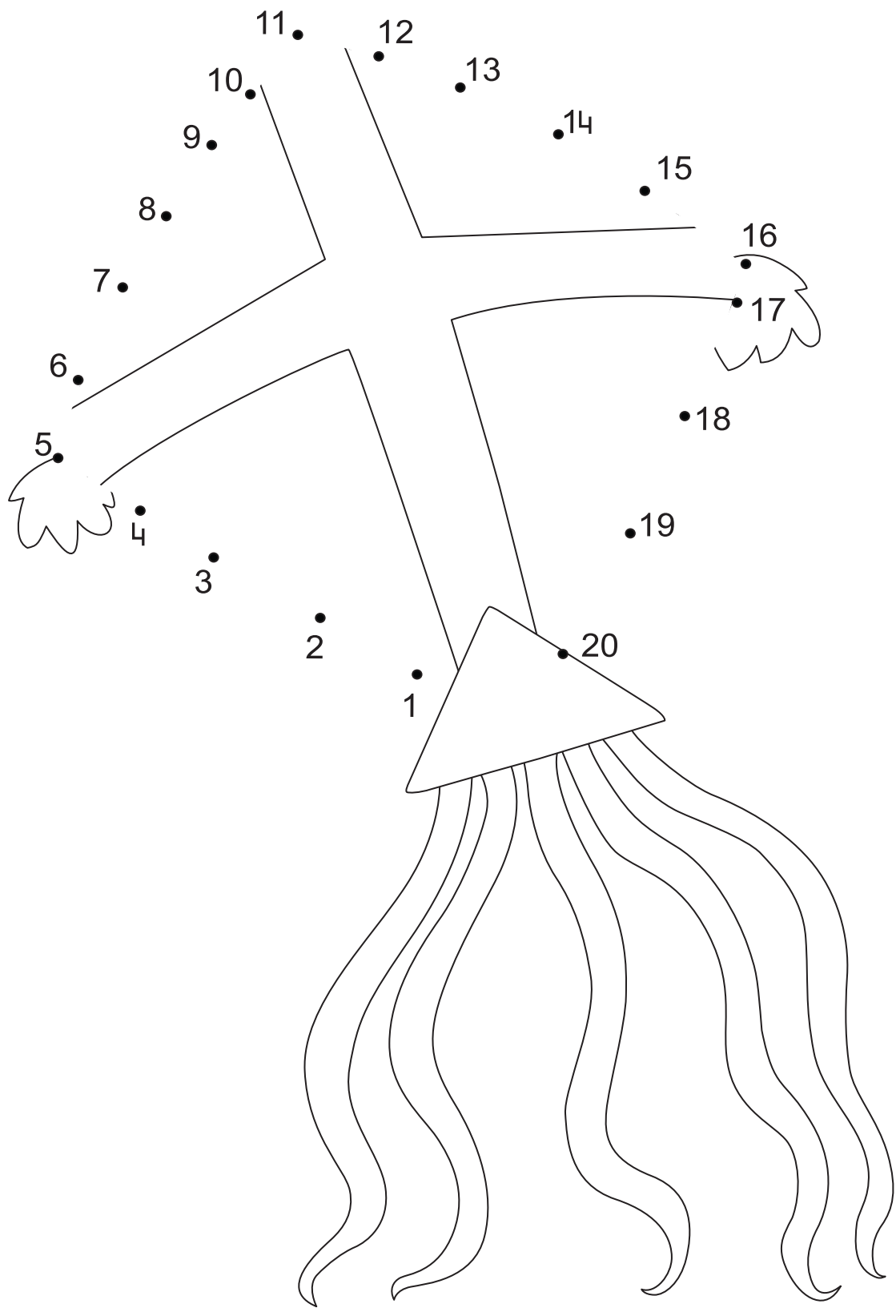


12 17 19 16

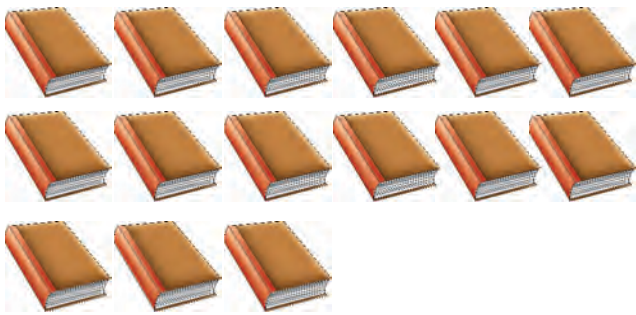




Join the dots and colour the picture.



COUNT AND WRITE



Fifteen _____

15



○



○



○

Encircle the correct numeral :



16

15

18



15

16

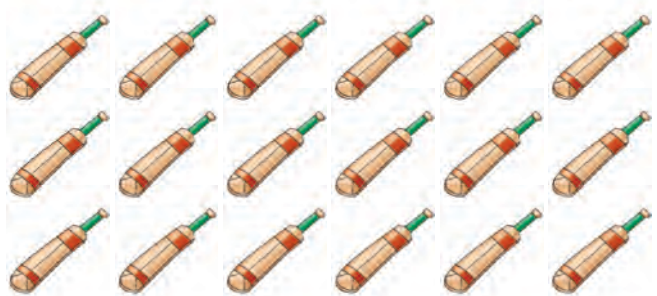
14



18

19

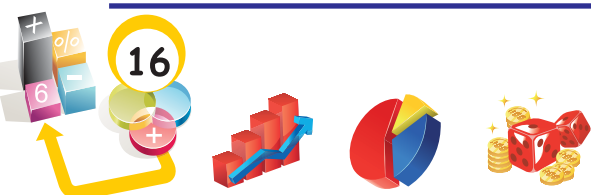
20



17

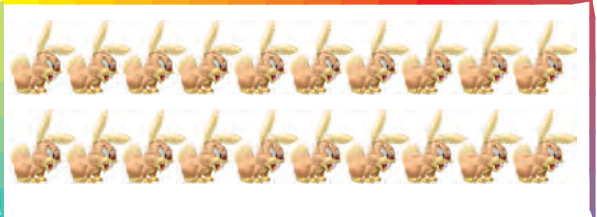
18

16





COUNT AND MATCH



10

Eleven



19

Ten



17

Twenty



11

Seventeen



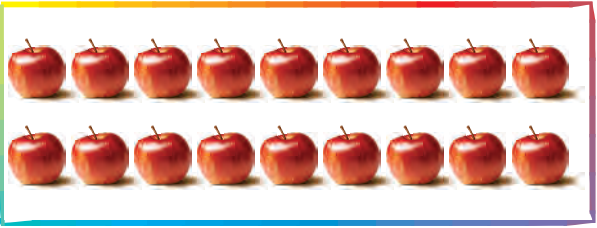
15

Nineteen



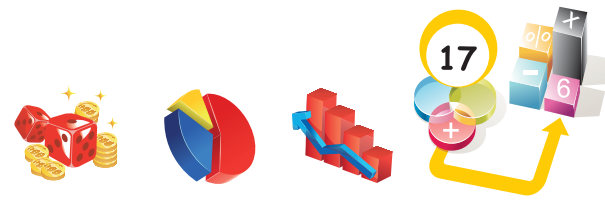
18

Fifteen



20

Eighteen



THINK AND WRITE

Write $>$, $<$ or $=$ in the circles.

$11 < 12$

$12 > 10$

$12 = 12$

$12 \quad \bigcirc \quad 10$

$16 \quad \bigcirc \quad 13$

$14 \quad \bigcirc \quad 16$

Encircle the smallest or shortest numeral. One has been done for you.

10 12 13 14

13 15 17 19

14 13 16 18

19 14 20 15

Encircle the greatest or biggest numeral. One has been done for you.

16 18 20 11

15 17 19 18

20 11 17 15

10 13 16 18

Encircle the numeral that is equal to the number name.

Ten

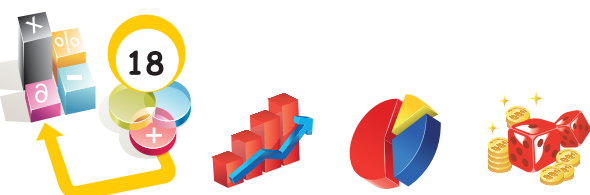
11 10 15

Fourteen

10 14 15

Nineteen

11 16 19





Before, After and in Between



Elephant



Dog



Rabbit

The elephant, dog and rabbit are the best friends.

The elephant is **before** the dog.

The rabbit is **after** the dog. The dog is **after** the elephant. The dog is **before** the rabbit.

The dog is **in between** the elephant and the rabbit.

Observe the given numbers and fill in the blanks following them.

13

14

15

_____ is before 15.

_____ is after 14.

11

12

13

_____ is in between 11 and 13.

_____ is after 12.

17

18

19

_____ is before 18.

_____ is after 18.

4

5

6

_____ is in between 4 and 6.

_____ is before 5.

8

9

10

8 is before _____.

9 is in between _____ and 10.

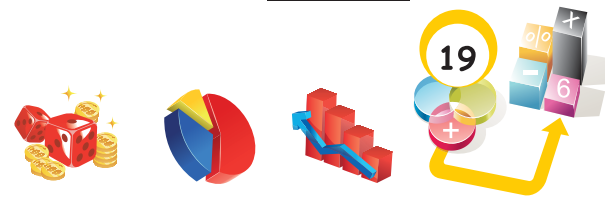
10

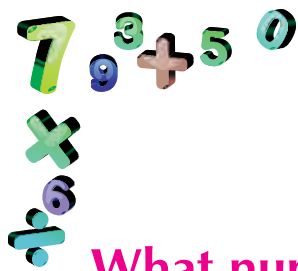
11

12

12 is after _____.

11 is in between 10 and _____.





THINK AND WRITE



What numbers come after ?

15 — 16 — 17

18 — ○ — ○

14 — ○ — ○

11 — ○ — ○

13 — ○ — ○

21 — ○ — ○

9 — ○ — ○

35 — ○ — ○

25 — ○ — ○

30 — ○ — ○

10 — ○ — ○

45 — ○ — ○

What numbers come before ?

8 — 9 — 10

○ — ○ — 20

○ — ○ — 14

○ — ○ — 16

○ — ○ — 18

○ — ○ — 17

○ — ○ — 21

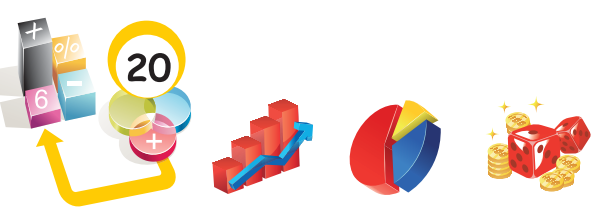
○ — ○ — 41

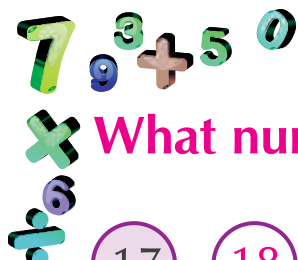
○ — ○ — 45

○ — ○ — 31

○ — ○ — 36

○ — ○ — 24



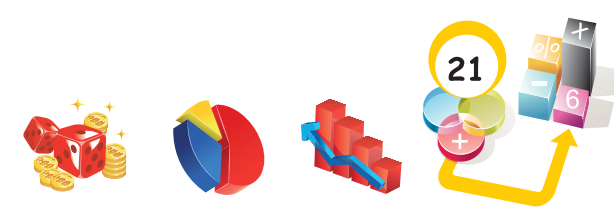


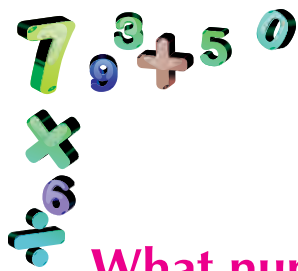
What numbers come in between ?

17 — 18 — 19 — 20	16 — <input type="text"/> — <input type="text"/> — 19	15 — <input type="text"/> — <input type="text"/> — 18
12 — <input type="text"/> — <input type="text"/> — 15	11 — <input type="text"/> — <input type="text"/> — 14	13 — <input type="text"/> — <input type="text"/> — 16
9 — <input type="text"/> — <input type="text"/> — 12	33 — <input type="text"/> — <input type="text"/> — 36	29 — <input type="text"/> — <input type="text"/> — 32
25 — <input type="text"/> — <input type="text"/> — 28	45 — <input type="text"/> — <input type="text"/> — 48	5 — <input type="text"/> — <input type="text"/> — 8

What numbers come just before and after ?

15 16 17 18 19	<input type="text"/> <input type="text"/> 12 <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 18 <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> 14 <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 21 <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 13 <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> 25 <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 45 <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 29 <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> 39 <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 27 <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> 43 <input type="text"/> <input type="text"/>





For Test



What numbers come after ?

25 — ○ — ○

45 — ○ — ○

35 — ○ — ○

39 — ○ — ○

9 — ○ — ○

21 — ○ — ○

What numbers come before ?

○ — ○ — 5

○ — ○ — 36

○ — ○ — 42

○ — ○ — 29

○ — ○ — 16

○ — ○ — 27

What numbers come in between ?

18 — ○ — ○ — 21

24 — ○ — ○ — 27

30 — ○ — ○ — 33

41 — ○ — ○ — 44

20 — ○ — ○ — 23

11 — ○ — ○ — 14

What numbers come just before and after ?

○ ○ 24 ○ ○

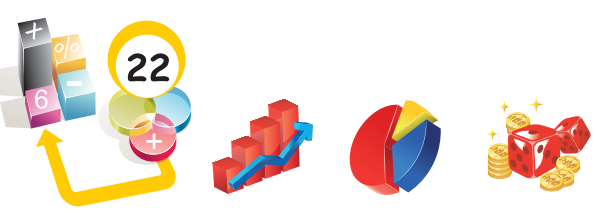
○ ○ 43 ○ ○

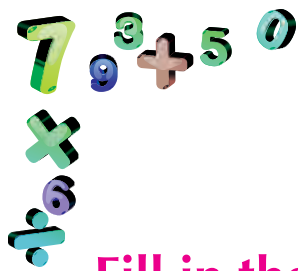
○ ○ 9 ○ ○

○ ○ 31 ○ ○

○ ○ 19 ○ ○

○ ○ 23 ○ ○





Before, After, In Between

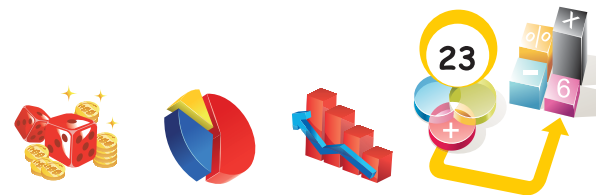
Fill in the missing numbers between 1 to 10 :

Tick (✓) the number that comes just after the given number :

6	5	3	7
4	3	5	6
7	5	6	8
3	4	5	6
2	1	3	5
8	7	6	9
9	6	8	10
5	4	6	3

Circle ○ the number that comes just before the given number :

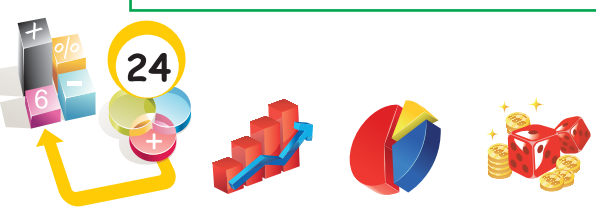
7	8	6	9
4	3	6	5
9	7	6	8
2	4	1	3
5	1	7	2
3	4	5	6
6	9	5	7
8	9	5	10

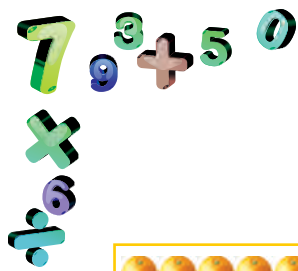




Number Names : 21 to 30

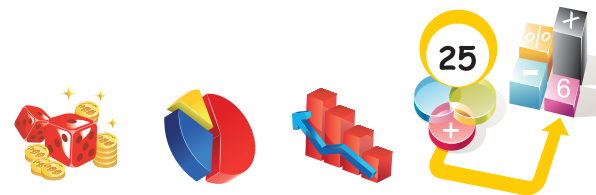
	20 and 1 more make 21	21 TWENTY-ONE
	20 and 2 more make 22	22 TWENTY-TWO
	20 and 3 more make 23	23 TWENTY-THREE
	20 and 4 more make 24	24 TWENTY-FOUR
	20 and 5 more make 25	25 TWENTY-FIVE
	20 and 6 more make 26	26 TWENTY-SIX
	20 and 7 more make 27	27 TWENTY-SEVEN
	20 and 8 more make 28	28 TWENTY-EIGHT
	20 and 9 more make 29	29 TWENTY-NINE
	20 and 10 more make 30	30 THIRTY

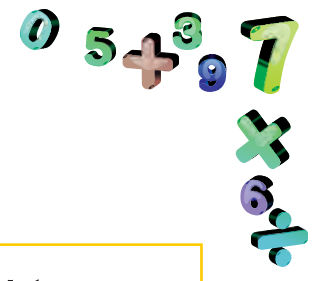





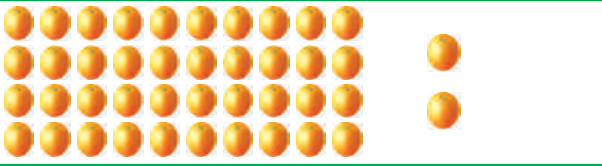
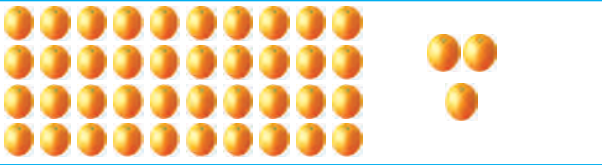
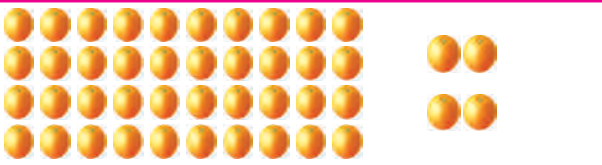


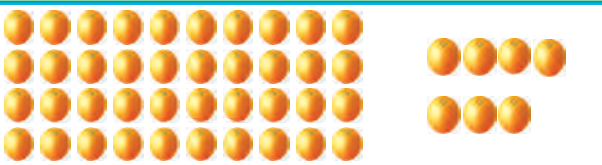
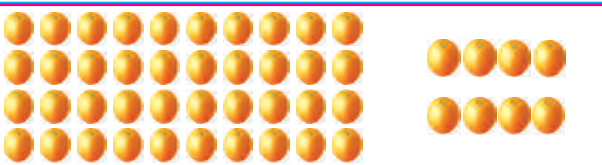
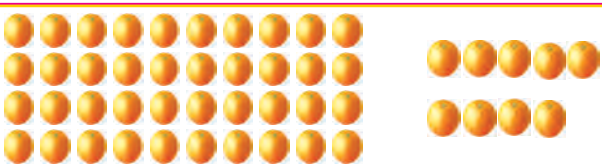
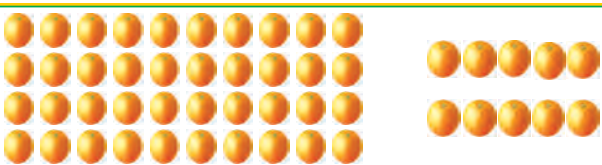
Number Names 31 to 40

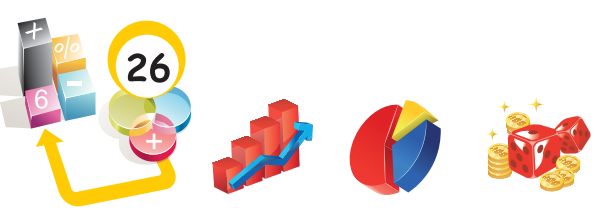
	30 and 1 more make 31	31 THIRTY-ONE
	30 and 2 more make 32	32 THIRTY-TWO
	30 and 3 more make 33	33 THIRTY-THREE
	30 and 4 more make 34	34 THIRTY-FOUR
	30 and 5 more make 35	35 THIRTY-FIVE
	30 and 6 more make 36	36 THIRTY-SIX
	30 and 7 more make 37	37 THIRTY-SEVEN
	30 and 8 more make 38	38 THIRTY-EIGHT
	30 and 9 more make 39	39 THIRTY-NINE
	30 and 10 more make 40	40 FORTY





Number Names 41 to 50

	40 and 1 more make 41	41 FORTY-ONE
	40 and 2 more make 42	42 FORTY-TWO
	40 and 3 more make 43	43 FORTY-THREE
	40 and 4 more make 44	44 FORTY-FOUR
	40 and 5 more make 45	45 FORTY-FIVE
	40 and 6 more make 46	46 FORTY-SIX
	40 and 7 more make 47	47 FORTY-SEVEN
	40 and 8 more make 48	48 FORTY-EIGHT
	40 and 9 more make 49	49 FORTY-NINE
	40 and 10 more make 50	50 FIFTY



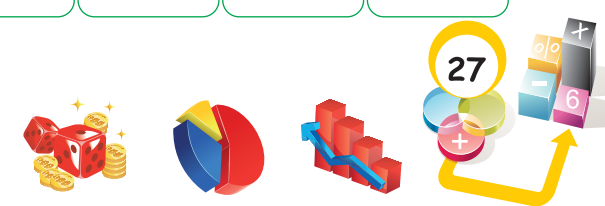


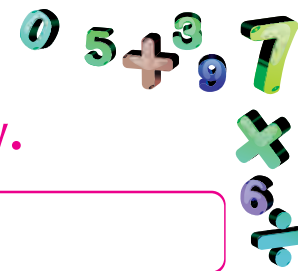
Trace and Write.

21			31			41		
22			32			42		
23			33			43		
24			34			44		
25			35			45		
26			36			46		
27			37			47		
28			38			48		
29			39			49		
30			40			50		

Fill the boxes given below with missing numbers.

21					26				30
			34					39	
41					46				50



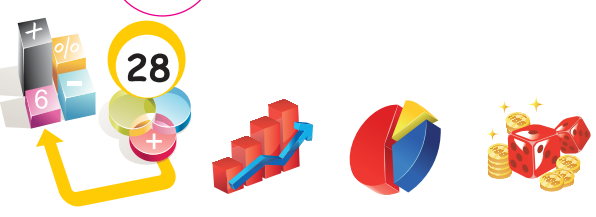


Write the number names for the numerals given below.

21	<input type="text"/>	31	<input type="text"/>	41	<input type="text"/>
22	<input type="text"/>	32	<input type="text"/>	42	<input type="text"/>
23	<input type="text"/>	33	<input type="text"/>	43	<input type="text"/>
24	<input type="text"/>	34	<input type="text"/>	44	<input type="text"/>
25	<input type="text"/>	35	<input type="text"/>	45	<input type="text"/>
26	<input type="text"/>	36	<input type="text"/>	46	<input type="text"/>
27	<input type="text"/>	37	<input type="text"/>	47	<input type="text"/>
28	<input type="text"/>	38	<input type="text"/>	48	<input type="text"/>
29	<input type="text"/>	39	<input type="text"/>	49	<input type="text"/>
30	<input type="text"/>	40	<input type="text"/>	50	<input type="text"/>

Match the numerals with their number names.

25	THIRTY NINE	50	THIRTY FIVE
43	TWENTY FIVE	21	FIFTY
39	FORTY THREE	35	TWENTY ONE





Count and write the numerals and their number names. One has been done for you.

	40	FORTY
--	----	-------

--	--	--

--	--	--

--	--	--

--	--	--

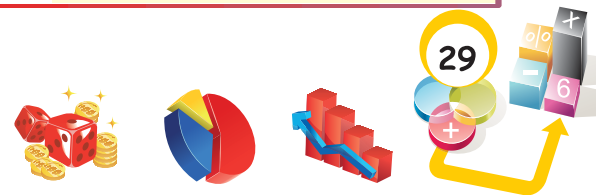
--	--	--

--	--	--

--	--	--

--	--	--

--	--	--





Addition

The result obtained when two or more objects of same kind are taken together is called their addition. This result is known as sum.

ADDITION BY COUNTING OBJECTS

Addition is represented by the symbol '+'. It is read as plus.



2 books



3 more books

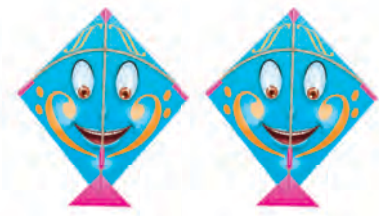


Now, there are 5 books.

We see that 2 books and 3 books together make 5 books.

i.e. $2 + 3 = 5$

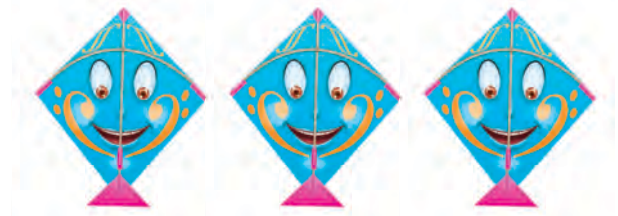
We read it as 2 plus 3 is equal to 5.



2 kites



1 more kite

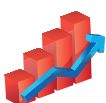


Now, there are 3 kites.

We see that 2 kites and 1 more kite make 3 kites together.



i.e. $2 + 1 = 3$

We read it as 2 plus 1 is equal to 3.







COUNT AND WRITE






+

=



2 + 2 =

+

=



5 + 4 =

+

=

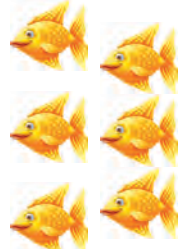

4 + 3 =

+

=



4 + 4 =

+

=



6 + 4 =

+

=



5 + 3 =

+

=

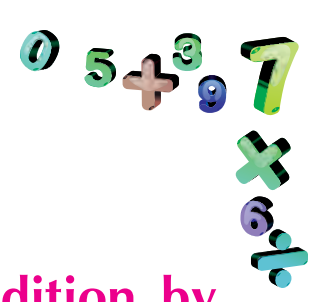
2 + 5 =

+

=

3 + 3 =

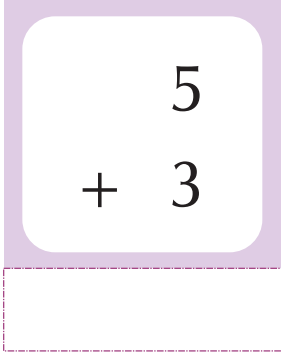


ADDITION BY DRAWING LINES

Here is an example for you to understand the addition by drawing lines.

Add 5 and 3.

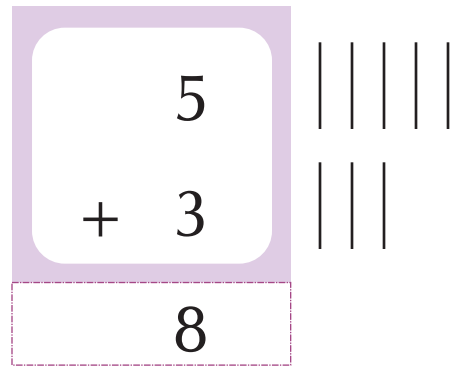
First of all, arrange the 2 numbers to be added one over the other and put '+' sign on the left of the number at the bottom and draw a line below the bottom number.



Now, draw 5 lines on the right of 5 and 3 lines on the right of 3.

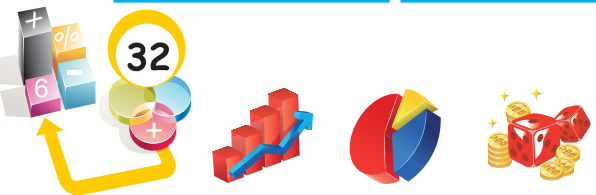
Count all the lines together and write your answer below the line drawn.

Since, there are 8 lines in all, therefore the answer is 8.



Add and write.

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





ADDITION WITH ZERO

When 0 is added to any number or vice-versa, we get the number itself.



+



=



There are 4 pens in the pen-holder.

No pen is there in the pen-holder.

4 pens will remain in the pen-holder.

We find, $4 + 0 = 4$.



+



=



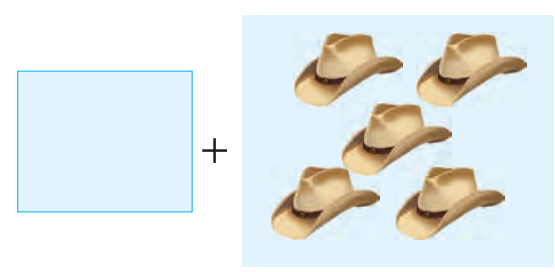
No orange is there in the basket.

3 oranges are put in the basket.

There are 3 oranges in the basket.

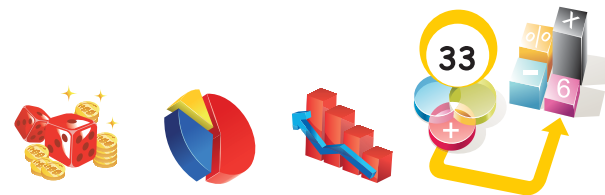
We find, $0 + 3 = 3$.

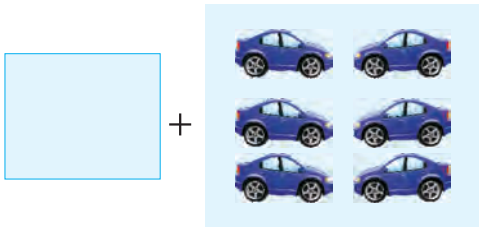
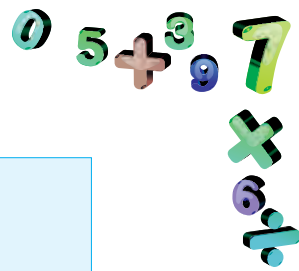
Add and write.



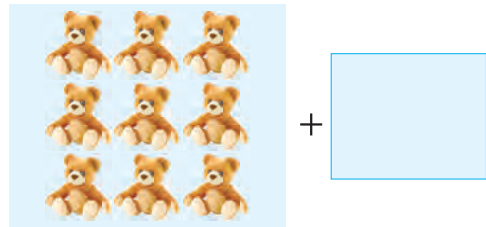
$3 + 0 = \square$

$0 + 5 = \square$

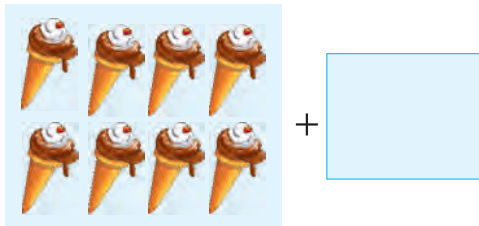




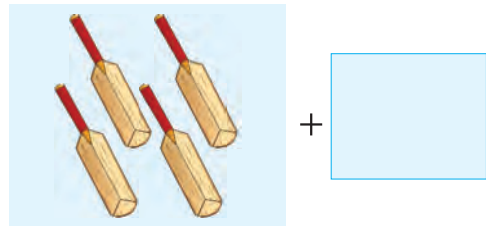
$$0 + 6 = \square$$



$$9 + 0 = \square$$



$$8 + 0 = \square$$



$$4 + 0 = \square$$

Add the following.

7 $+ 0$	9 $+ 0$	2 $+ 0$	0 $+ 6$	0 $+ 7$	4 $+ 0$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

0 $+ 9$	5 $+ 0$	3 $+ 0$	0 $+ 2$	10 $+ 0$	8 $+ 0$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Fill in the circles with the correct number.

$8 + 0 = \bigcirc$

$0 + 3 = \bigcirc$

$4 + 0 = \bigcirc$

$0 + 9 = \bigcirc$

$7 + 0 = \bigcirc$

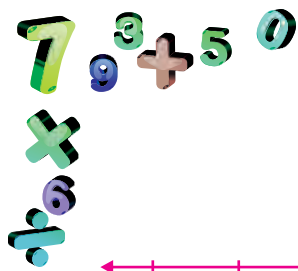
$0 + 2 = \bigcirc$

$0 + 1 = \bigcirc$

$5 + 0 = \bigcirc$

$0 + 6 = \bigcirc$



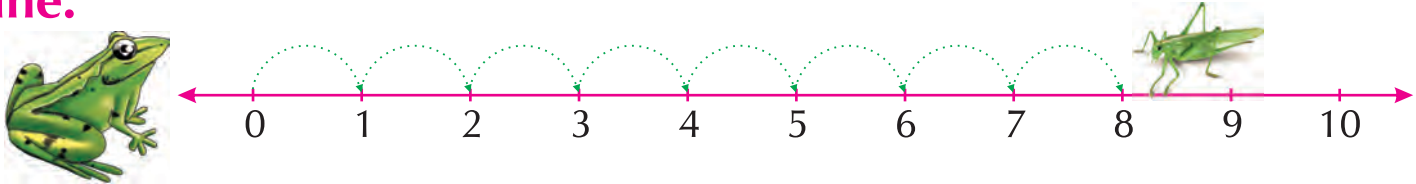


NUMBER LINE

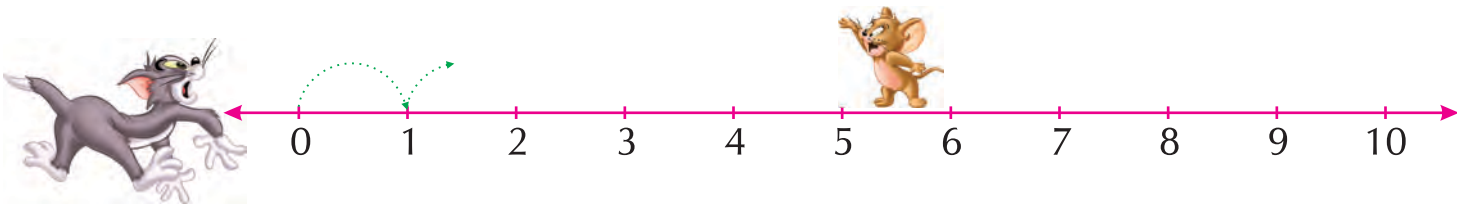


This is a line with numbers on it starting from 0. The numbers increase towards the right. A line having numbers on it is called a number line.

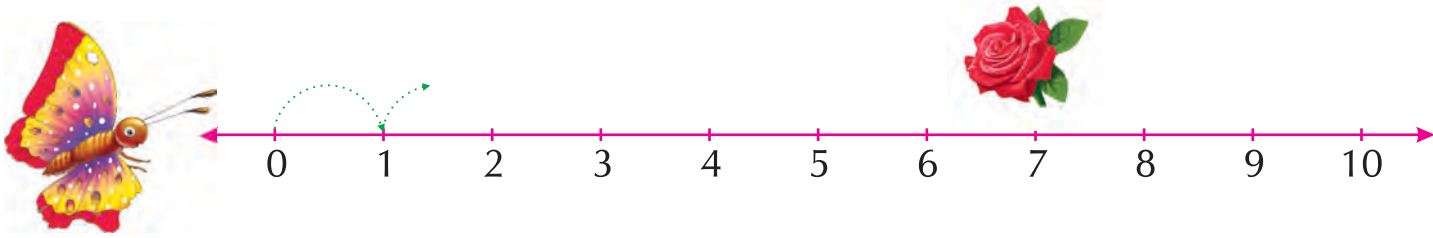
Now, look at the picture given below. The frog has to take 8 steps to reach the insect. To show each step we draw a curved line.



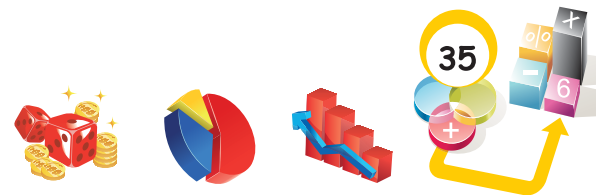
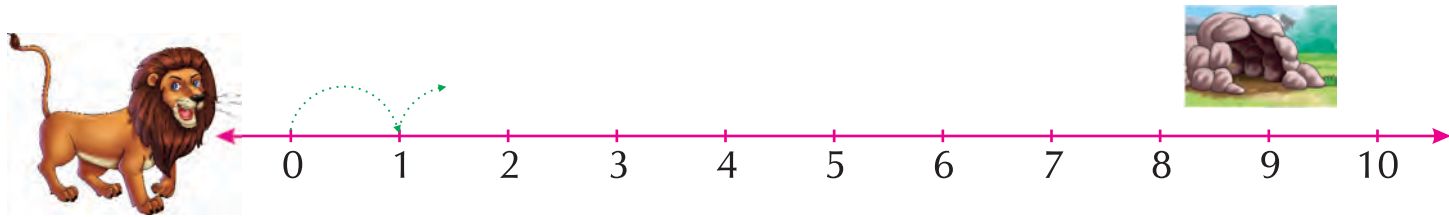
Draw the steps for the cat to reach the rat.



Draw the steps for the butterfly to reach the flower.

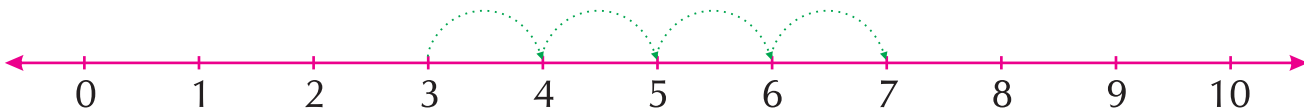


Draw the steps for the lion to reach the den.



ADDITION ON NUMBER LINE

By counting ahead on the number line, we can add numbers. Jump from the first given number to the other.



$$3 + 4 = \boxed{7}$$

From 3, jump 4 numbers ahead to reach 7.

Add the following on number line.



$$4 + 5 = \boxed{}$$



$$3 + 5 = \boxed{}$$



$$6 + 3 = \boxed{}$$

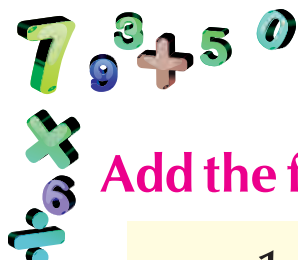


$$2 + 5 = \boxed{}$$



$$1 + 6 = \boxed{}$$





Add the following numbers.

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

$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 9 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

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

$$\begin{array}{r} 17 \\ + 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 0 \\ + 7 \\ \hline \end{array}$$

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

$$\begin{array}{r} 20 \\ + 6 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 3 \\ \hline \end{array}$$

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

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

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

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

$$\begin{array}{r} 14 \\ + 5 \\ \hline \end{array}$$

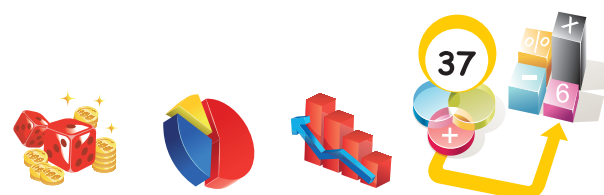
$$\begin{array}{r} 2 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 0 \\ \hline \end{array}$$

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

$$\begin{array}{r} 11 \\ + 1 \\ \hline \end{array}$$



ADDITION WORD PROBLEM



In a class, there are 18 girls and 11 boys. How many students are there altogether?
_____ students.

$$\begin{array}{r} 18 \text{ Girls} \\ + 11 \text{ Boys} \\ \hline \\ \hline \end{array}$$



20 women and 20 men went to the Doll's museum. How many people went there?
_____ people.

$$\begin{array}{r} 20 \text{ Women} \\ + 20 \text{ Men} \\ \hline \\ \hline \end{array}$$



A shopkeeper sold 12 toffees and 5 biscuits. How many things did he sell?
_____ things.

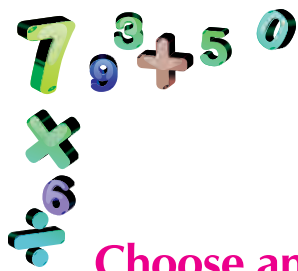
$$\begin{array}{r} 12 \text{ Toffees} \\ + 05 \text{ Biscuits} \\ \hline \\ \hline \end{array}$$



There are 20 parrots and 15 crows sitting on a big tree. How many birds are there in total?
_____ birds.







$$\begin{array}{r} 20 \text{ Parrots} \\ + 15 \text{ Crows} \\ \hline \\ \hline \end{array}$$

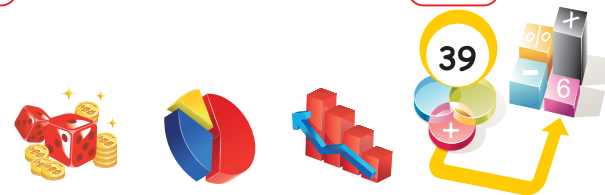




THINK AND WRITE

Choose and tick (✓) the correct answer from the given options.

-  +  is equal to:
(a) 6 (b) 7 (c) 8
- 4 balloons + 2 balloons is equal to:
(a) 6 (b) 5 (c) 7
- 5 + 5 gives:
(a) 8 (b) 7 (c) 10
- 5 + 3 is equal to:
(a) 9 (b) 8 (c) 10
- When 0 is added to any number or vice-versa, we always get:
(a) 10 (b) 0 (c) that number
- 5 pencils plus 7 pencils is equal to:
(a) 12 (b) 9 (c) 11
- 8 + 0 is equal to:
(a) 0 (b) 8 (c) 7
- The symbol for plus is:
(a) # (b) & (c) +
-  +  is equal to:
(a) 6 (b) 5 (c) 8
-  +  is equal to:
(a) 6 (b) 5 (c) 9





Subtraction



4 children are playing.



1 child went to his home.



Now, only 3 children are playing.

4 children were playing and 1 child went to home. 3 children are left.

We can also write as: $4 - 1 = 3$

4 children 'minus' 1 child 'is equal to' 3 children.

4
- 1
3



There were 6 laddus in the plate.



Amar took away 1 laddu.



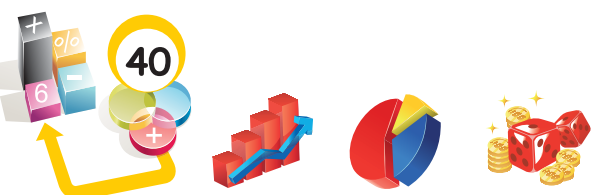
Now, 5 laddus are left in the plate.

We see that there were 6 laddus in the plate. After taking away 1 laddu, only 5 laddus are left in the plate,

i.e. $6 - 1 = 5$

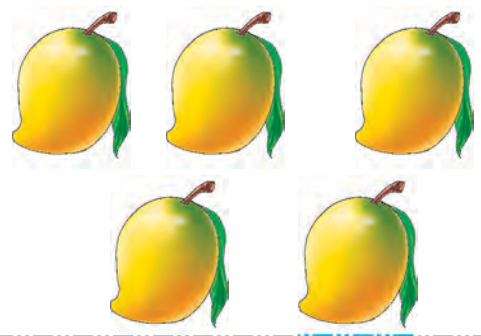
We read it as 6 'minus' 1 'is equal to' 5.

6
- 1
5





Count and subtract. One has been done for you.



$$5 - 1 = 4$$



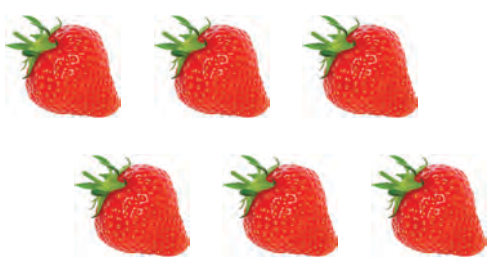
$$\square - \square = \square$$



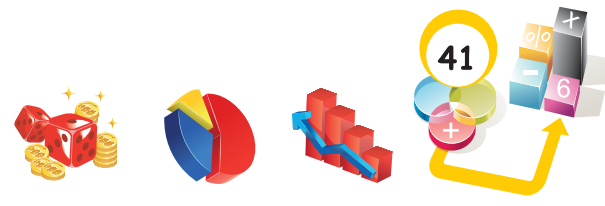
$$\square - \square = \square$$



$$\square - \square = \square$$



$$\square - \square = \square$$



SUBTRACTION BY DRAWING LINES

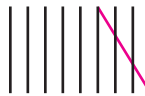
Let us look below to understand the subtraction by drawing lines.

Subtract 4 from 9.

First of all, arrange the 2 numbers to be subtracted one over the other (keeping the bigger one above and the smaller one below it.) and put a '-' sign on the left side of the smaller number and draw a line at the bottom of 4.

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

Draw 9 lines to the right of 9 and cut 4 of them in a slanting manner.

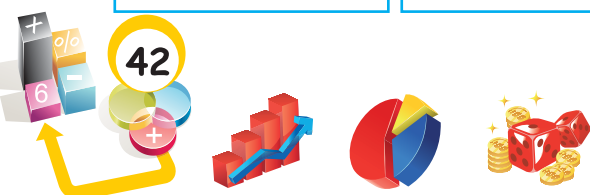
$$\begin{array}{r} 9 \\ - 4 \\ \hline 5 \end{array}$$


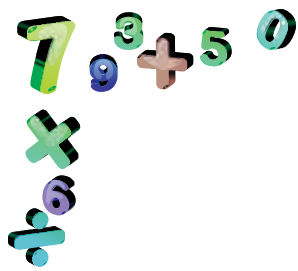
See, how many lines you are left with.

5 lines are left. So, we get 5 as the difference which is your answer.

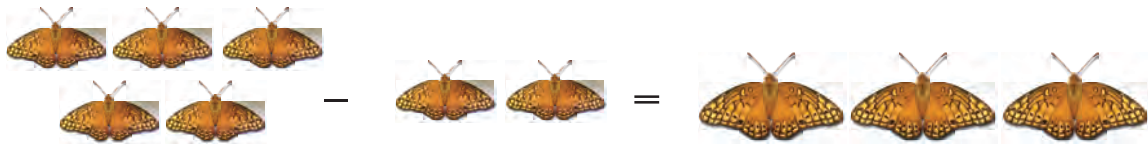
Subtract by drawing lines.

$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$





SUBTRACTING VERTICALLY



5
- 2

5 - 2 = 3 is the same as

We can also subtract the numbers by arranging them vertically. We see that the answer is same whether the numbers are subtracted horizontally or vertically.

Cross (x) out and subtract the following.

1

6	
- 4	
2	

2

6	
- 6	

3

7	
- 5	

4

5	
- 4	

5

6	
- 2	

6

3	
- 1	

7

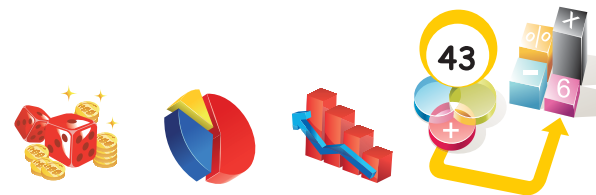
9	
- 3	

8

8	
- 5	

9

7	
- 4	



SUBTRACTION OF ZERO



There were 6 samosas in the plate.



No samosa was taken away.



6 Samosas are still in the plate.

We see, there were 6 samosas and we did not take even a single samosa from it and we are left with what we had, the 6 samosas.

That is, $6 - 0 = 6$

We read it as 6 minus 0 is equal to 6.

'0' taken away from any number gives the same number.

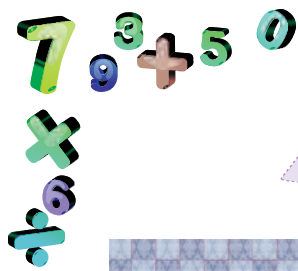
Subtract and write.

$$8 - \square = 8$$

$$6 - \square = 6$$

Subtract the following.

$7 - 0 = \square$	$8 - 0 = \square$	$1 - 0 = \square$
$9 - 0 = \square$	$4 - 0 = \square$	$2 - 0 = \square$



SUBTRACTION ON NUMBER LINE



There were 6 pencils.



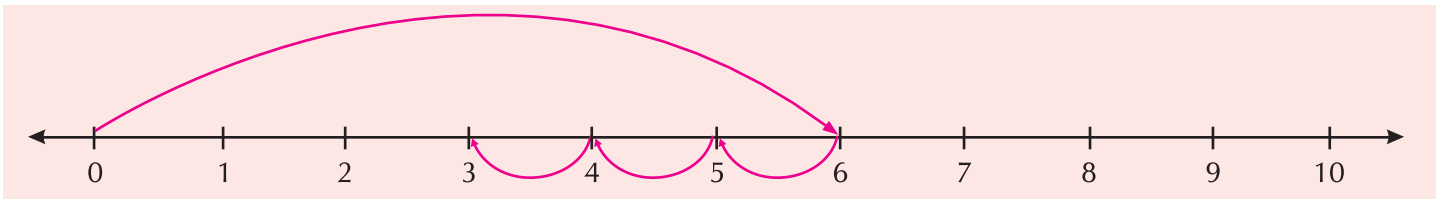
Anuj took away 3 pencils.



Now, 3 pencils are left.

That is, $6 - 3 = 3$

This can also be shown on the number line as follows :



From 0, take a jump directly to 6.

From 6, take 3 jumps backward to reach 3.

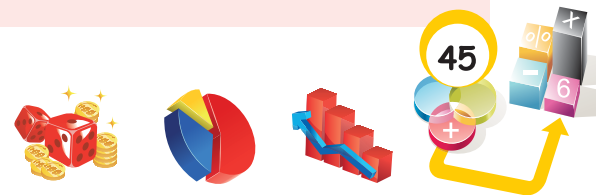
Subtract and write the answer in the box .

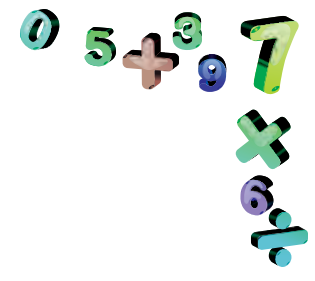
6
- 3
3

$7 - 4 = \square$

$9 - 6 = \square$

$6 - 2 = \square$





SUBTRACT AND WRITE

Subtract and write.

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

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

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

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

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

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

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

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

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

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

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

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

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

$$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$$

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

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

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

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

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

$$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 1 \\ \hline \end{array}$$

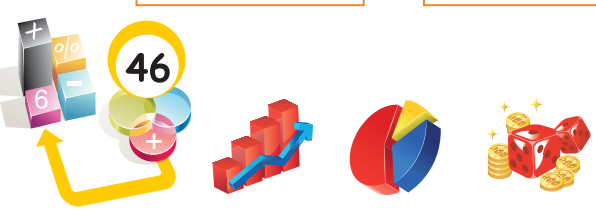
$$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$$

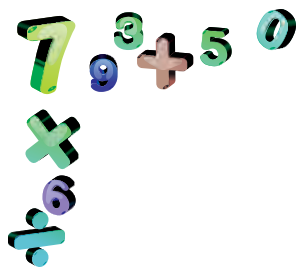
$$\begin{array}{r} 6 \\ - 0 \\ \hline \end{array}$$

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

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

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





SUBTRACT WORD PROBLEMS



In a class there are 85 students in all. One day 35 students are absent. How many students are present _____ .

$$\begin{array}{r} 85 \\ - 35 \\ \hline \\ \hline \end{array}$$



Pawan had 50 pens. He gave 20 pens to his younger sister. Now, he has _____ pens.

$$\begin{array}{r} 50 \\ - 20 \\ \hline \\ \hline \end{array}$$



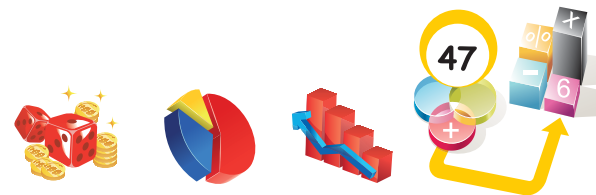
Bunty had 55 sweets. He gave 15 sweets to his friend. Now, he has _____ sweets.

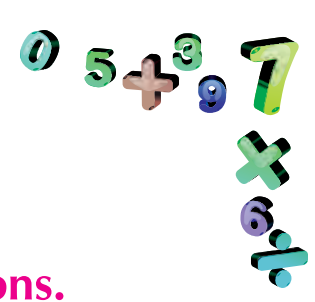
$$\begin{array}{r} 55 \\ - 15 \\ \hline \\ \hline \end{array}$$



77 dogs were sitting on a road. 15 dogs went away. Now, _____ dogs are sitting on a road.

$$\begin{array}{r} 77 \\ - 15 \\ \hline \\ \hline \end{array}$$





THINK AND WRITE

Choose and tick (✓) the correct answer from the given options.

1. Minus is shown by:

- (a) * (b) + (c) -

2. The result obtained on subtracting 2 numbers is called their:

- (a) difference (b) sum (c) answer

3. If we subtract 2 from 5, the result is:

- (a) 3 (b) 2 (c) 0

4. 7 minus 5 gives:

- (a) 0 (b) 1 (c) 2

5. 9 minus 4 gives:

- (a) 5 (b) 6 (c) 8

6. If we subtract 0 from 1, the result is:

- (a) 8 (b) 0 (c) 1

7. The difference of 10 and 3 is:

- (a) 2 (b) 5 (c) 7

8. When 0 is subtracted from any number, we always get:

- (a) 0 (b) number itself (c) 1

9. The difference of  -  is :

- (a) 1 (b) 3 (c) 5

10.  -  is equal to :

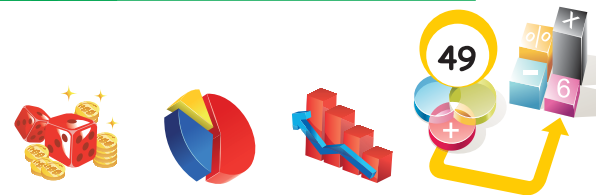
- (a) 2 (b) 4 (c) 7

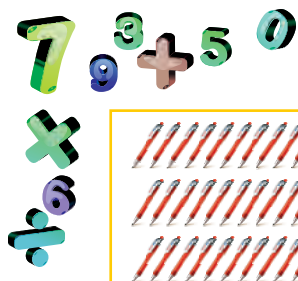


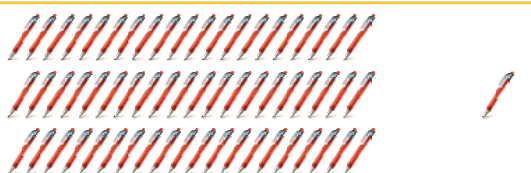
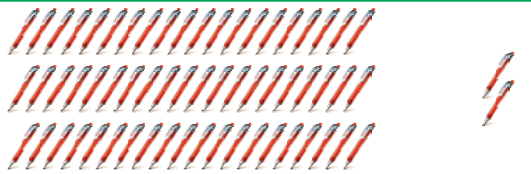
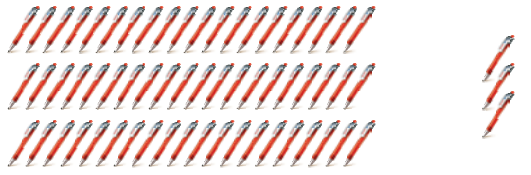
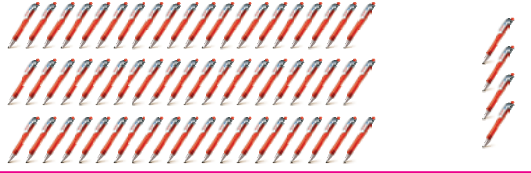


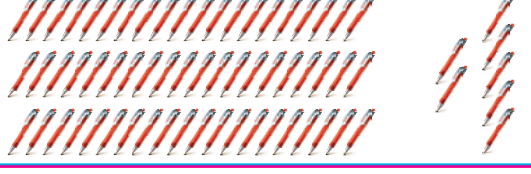
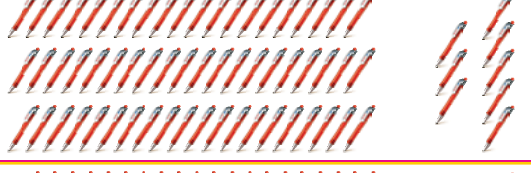
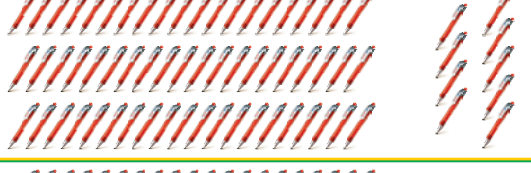
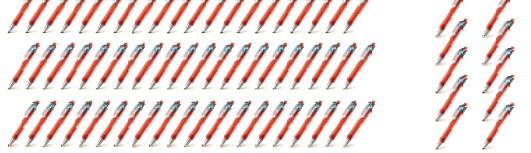


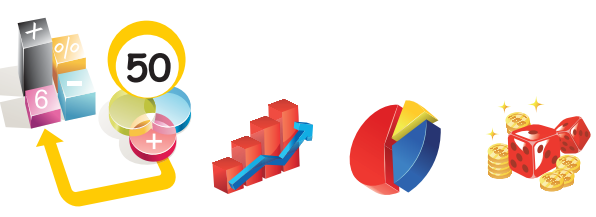
Number Names: 51-100

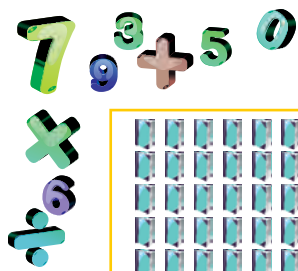
	50 and 1 more make 51	51 FIFTY-ONE
	50 and 2 more make 52	52 FIFTY-TWO
	50 and 3 more make 53	53 FIFTY-THREE
	50 and 4 more make 54	54 FIFTY-FOUR
	50 and 5 more make 55	55 FIFTY-FIVE
	50 and 6 more make 56	56 FIFTY-SIX
	50 and 7 more make 57	57 FIFTY-SEVEN
	50 and 8 more make 58	58 FIFTY-EIGHT
	50 and 9 more make 59	59 FIFTY-NINE
	50 and 10 more make 60	60 SIXTY



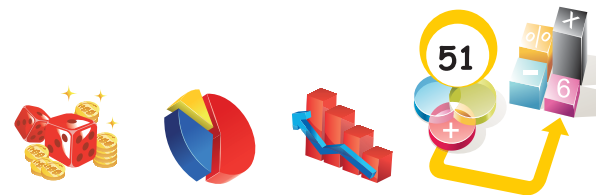


	60 and 1 more make 61	61 SIXTY-ONE
	60 and 2 more make 62	62 SIXTY-TWO
	60 and 3 more make 63	63 SIXTY-THREE
	60 and 4 more make 64	64 SIXTY-FOUR
	60 and 5 more make 65	65 SIXTY-FIVE
	60 and 6 more make 66	66 SIXTY-SIX
	60 and 7 more make 67	67 SIXTY-SEVEN
	60 and 8 more make 68	68 SIXTY-EIGHT
	60 and 9 more make 69	69 SIXTY-NINE
	60 and 10 more make 70	70 SEVENTY

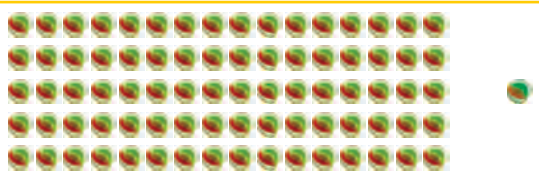
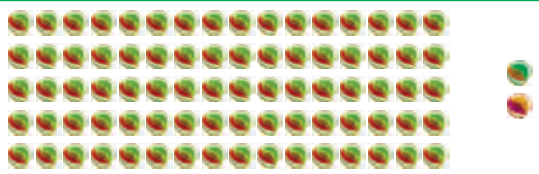
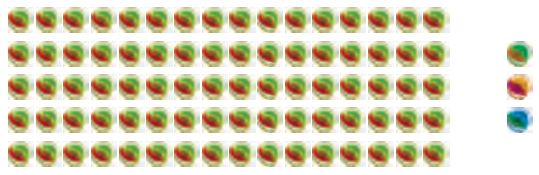
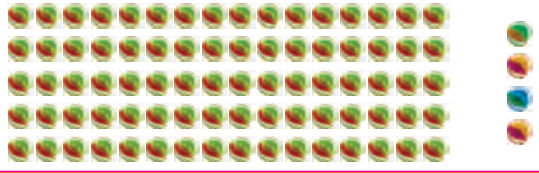




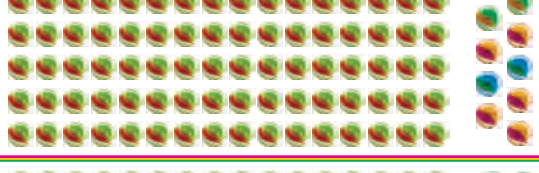
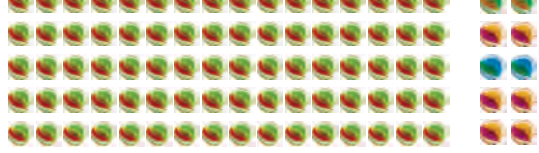


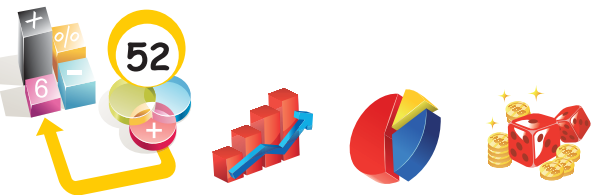


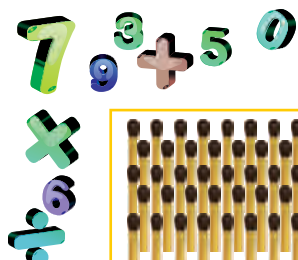
	70 and 1 more make 71	71 SEVENTY-ONE
	70 and 2 more make 72	72 SEVENTY-TWO
	70 and 3 more make 73	73 SEVENTY-THREE
	70 and 4 more make 74	74 SEVENTY-FOUR
	70 and 5 more make 75	75 SEVENTY-FIVE
	70 and 6 more make 76	76 SEVENTY-SIX
	70 and 7 more make 77	77 SEVENTY-SEVEN
	70 and 8 more make 78	78 SEVENTY-EIGHT
	70 and 9 more make 79	79 SEVENTY-NINE
	70 and 10 more make 80	80 EIGHTY

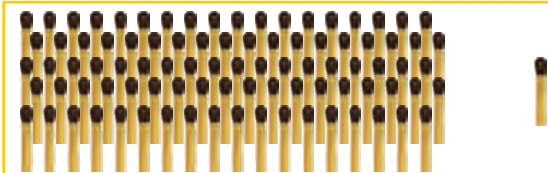
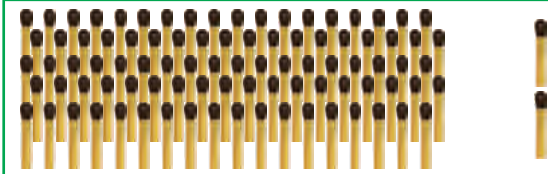
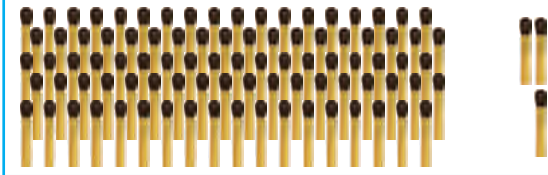
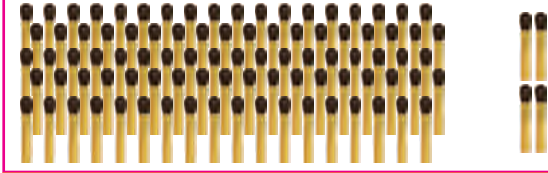
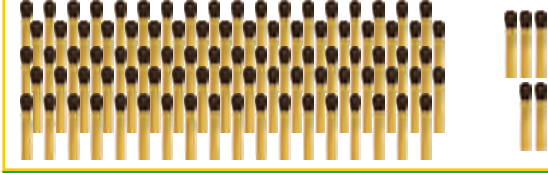
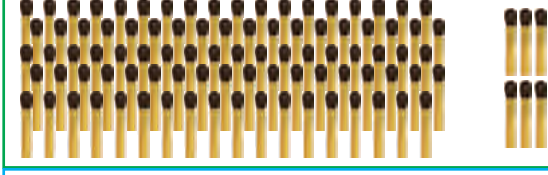
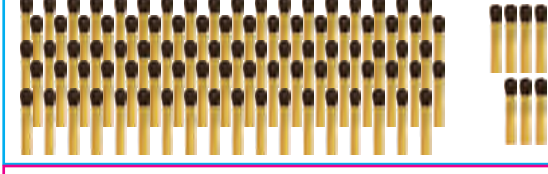
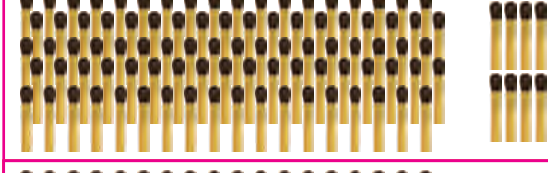
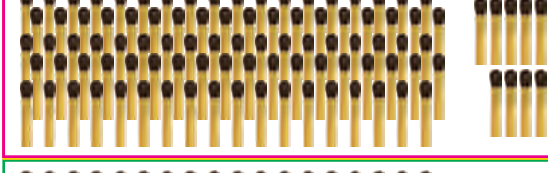
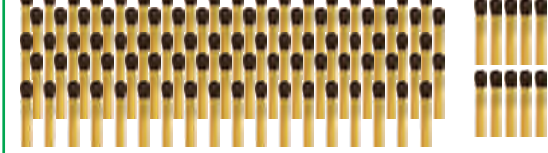


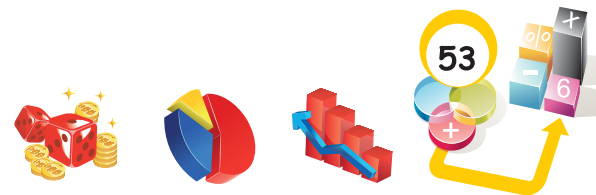


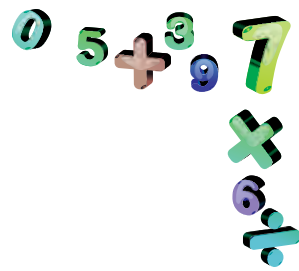
	80 and 1 more make 81	81 EIGHTY-ONE
	80 and 2 more make 82	82 EIGHTY-TWO
	80 and 3 more make 83	83 EIGHTY-THREE
	80 and 4 more make 84	84 EIGHTY-FOUR
	80 and 5 more make 85	85 EIGHTY-FIVE
	80 and 6 more make 86	86 EIGHTY-SIX
	80 and 7 more make 87	87 EIGHTY-SEVEN
	80 and 8 more make 88	88 EIGHTY-EIGHT
	80 and 9 more make 89	89 EIGHTY-NINE
	80 and 10 more make 90	90 NINETY



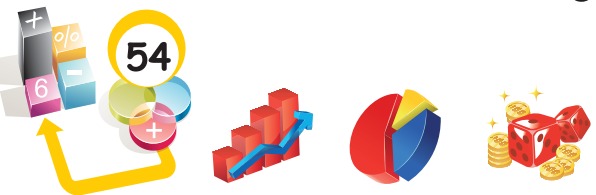


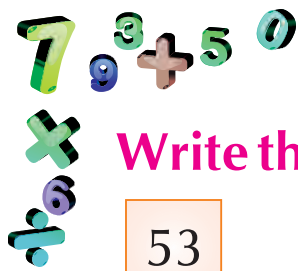
	90 and 1 more make 91	91 NINETY-ONE
	90 and 2 more make 92	92 NINETY-TWO
	90 and 3 more make 93	93 NINETY-THREE
	90 and 4 more make 94	94 NINETY-FOUR
	90 and 5 more make 95	95 NINETY-FIVE
	90 and 6 more make 96	96 NINETY-SIX
	90 and 7 more make 97	97 NINETY-SEVEN
	90 and 8 more make 98	98 NINETY-EIGHT
	90 and 9 more make 99	99 NINETY-NINE
	90 and 10 more make 100	100 HUNDRED





Join the numbers in order and colour the picture.



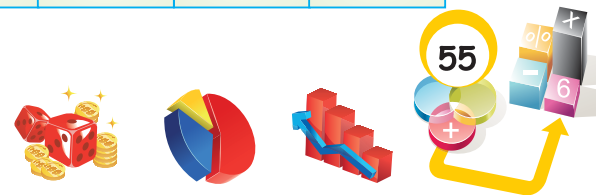


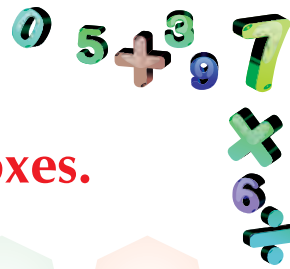
Write the number names for the numerals given below.

53	_____	81	_____	71	_____
72	_____	96	_____	70	_____
88	_____	100	_____	92	_____
97	_____	89	_____	75	_____
99	_____	69	_____	62	_____
64	_____	54	_____	51	_____
59	_____	77	_____	98	_____
85	_____	58	_____	61	_____

Fill in the boxes with the missing numerals.

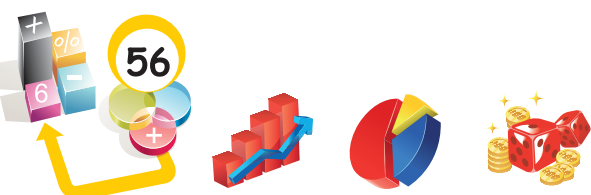
51			54				58		
			64					69	
	72					77			80
			84				88		
	92			95				99	





○ Write the numbers from 1 to 100 across in the given boxes.

1									
				15					
		23							
							38		
									50
			54						
					66				
	72								
								89	
									100

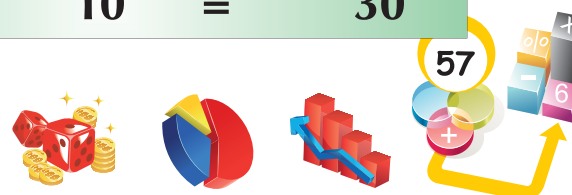


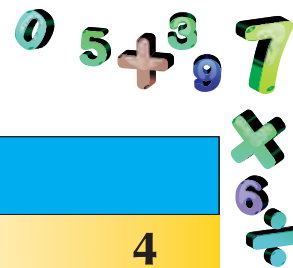


Tables 2 to 5

READ AS		WRITE AS			
2 ones are	2	2	×	1	= 2
2 twos are	4	2	×	2	= 4
2 threes are	6	2	×	3	= 6
2 fours are	8	2	×	4	= 8
2 fives are	10	2	×	5	= 10
2 sixes are	12	2	×	6	= 12
2 sevens are	14	2	×	7	= 14
2 eights are	16	2	×	8	= 16
2 nines are	18	2	×	9	= 18
2 tens are	20	2	×	10	= 20

READ AS		WRITE AS			
3 ones are	3	3	×	1	= 3
3 twos are	6	3	×	2	= 6
3 threes are	9	3	×	3	= 9
3 fours are	12	3	×	4	= 12
3 fives are	15	3	×	5	= 15
3 sixes are	18	3	×	6	= 18
3 sevens are	21	3	×	7	= 21
3 eights are	24	3	×	8	= 24
3 nines are	27	3	×	9	= 27
3 tens are	30	3	×	10	= 30





READ AS		WRITE AS				
4 ones are	4	4	×	1	=	4
4 twos are	8	4	×	2	=	8
4 threes are	12	4	×	3	=	12
4 fours are	16	4	×	4	=	16
4 fives are	20	4	×	5	=	20
4 sixes are	24	4	×	6	=	24
4 sevens are	28	4	×	7	=	28
4 eights are	32	4	×	8	=	32
4 nines are	36	4	×	9	=	36
4 tens are	40	4	×	10	=	40

READ AS		WRITE AS				
5 ones are	5	5	×	1	=	5
5 twos are	10	5	×	2	=	10
5 threes are	15	5	×	3	=	15
5 fours are	20	5	×	4	=	20
5 fives are	25	5	×	5	=	25
5 sixes are	30	5	×	6	=	30
5 sevens are	35	5	×	7	=	35
5 eights are	40	5	×	8	=	40
5 nines are	45	5	×	9	=	45
5 tens are	50	5	×	10	=	50





Fill in the blanks:

5 × 5 = 25

5 × = 30

2 × = 8

4 × = 40

3 × = 12



2 × = 18

4 × = 32

3 × = 21

2 × = 18

5 × = 40



Write the number in the blanks given below:

2 × 8 =

4 × 4 =

2 × 9 =

5 × 8 =

4 × 5 =

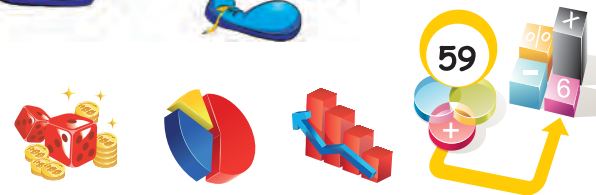
2 × 7 =

4 × 8 =

2 × 3 =

4 × 9 =

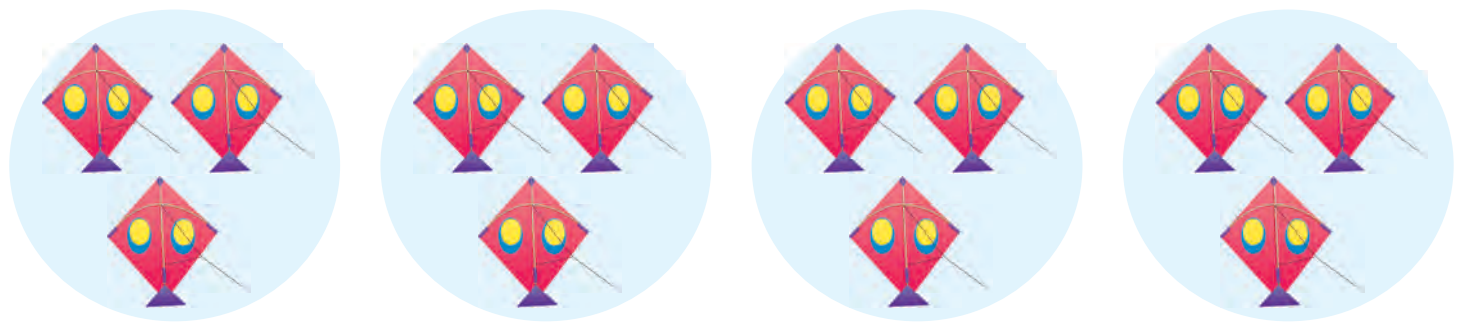
2 × 10 =





Multiplications Concepts

Suppose there are 4 groups of 3 kites each.



How many kites are there in all ?

$$3 + 3 + 3 + 3 = 12$$

So, 3 taken 4 times = $3 + 3 + 3 + 3 = 12$

We can say that 3 multiplied by 4 is equal to 12.

$$3 \times 4 = 12$$

Multiplication is the repeated addition of equal numbers. The symbol of multiplication is '×'.

How many balls are there altogether ?

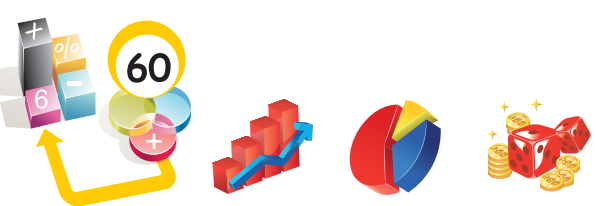
○ + ○ + ○ = ○

× =

How many toys are there altogether ?

○ + ○ + ○ + ○ = ○

× =





Write the following addition facts as multiplication facts :

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

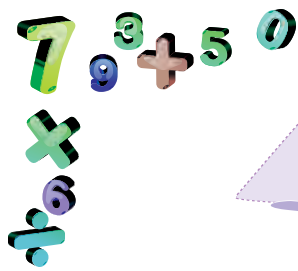
$3 + 3 + 3 + 3 + 3 = \square$
 $3 \times 5 = \square$
 3 fives are \square

$5 + 5 + 5 + 5 = \square$
 $5 \times 4 = \square$
 5 fours are \square

$4 + 4 + 4 + 4 + 4 = \square$
 $4 \times 5 = \square$
 4 fives are \square

$5 + 5 = \square$
 $5 \times 2 = \square$
 5 twos are \square

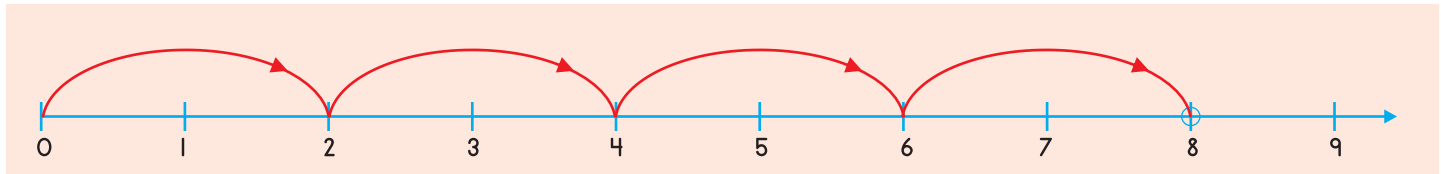
$3 + 3 + 3 + 3 = \square$
 $3 \times 4 = \square$
 3 fours are \square



MULTIPLICATION ON NUMBER LINE

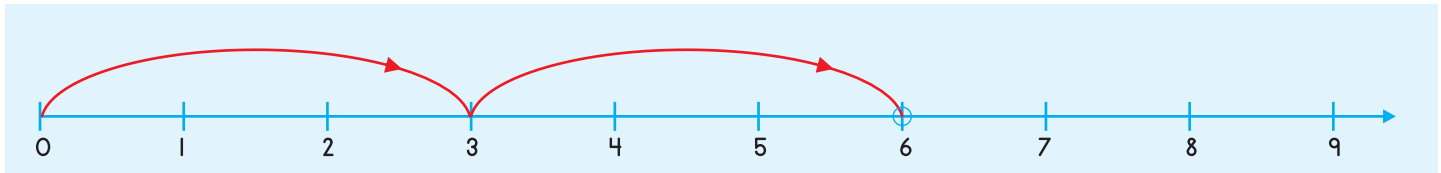
Numbers can be multiplied with the help of skip counting on number line.
Let us multiply 2 by 4.

We start with 0 and we skip on the number line 4 times.

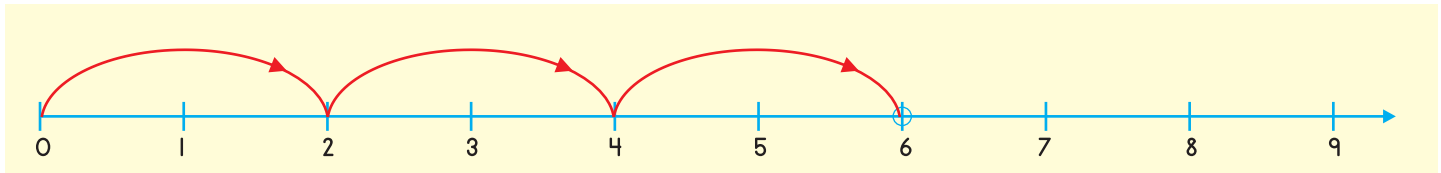


We arrive at 8. So, $2 \times 4 = 8$.

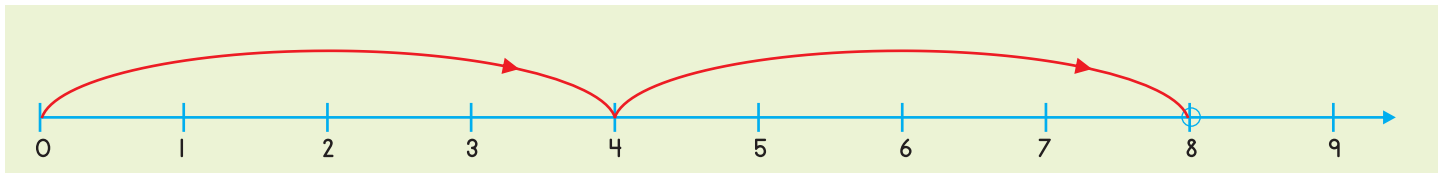
Now, fill in the boxes.



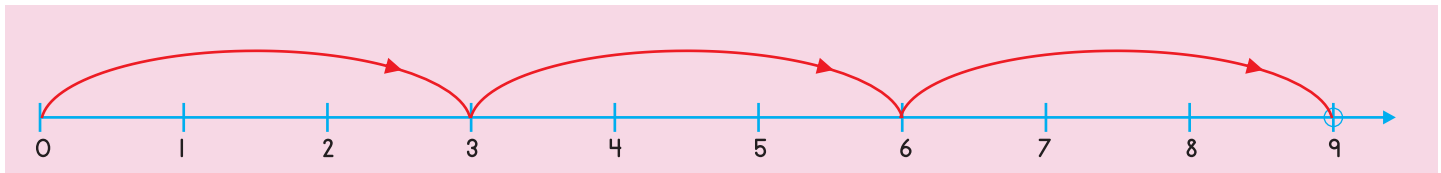
$$3 \times 2 = \square$$



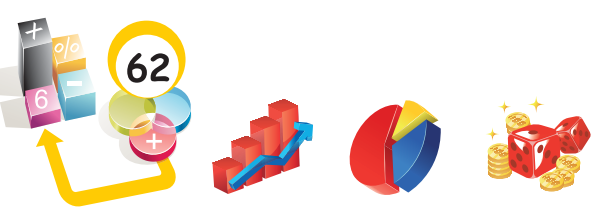
$$2 \times 3 = \square$$



$$4 \times 2 = \square$$



$$3 \times 3 = \square$$





Money

Money is a source in exchange of which we can buy products. It is in the form of coins and notes. The Indian money is known by the name 'Rupees' (Rs or ₹) and 'Paise' (P).

Following are the coins used in India.



50 p

₹ 1

₹ 2

₹ 5

₹ 10

Following are the notes used in India.



1 rupee
(₹ 1)

2 rupees
(₹ 2)

5 rupees
(₹ 5)



10 rupees
(₹ 10)

20 rupees
(₹ 20)

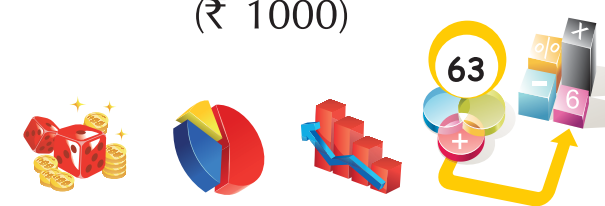
50 rupees
(₹ 50)



100 rupees
(₹ 100)

500 rupees
(₹ 500)

1000 rupees
(₹ 1000)



Indian Currency-Notes

Fill in the blanks.



..... Rupees or ₹



..... Rupees or ₹



..... Rupees or ₹



..... Rupees or ₹



..... Rupees or ₹



..... Rupees or ₹



+



₹



+



₹



+



₹



+



₹





Time

Look at the clock given.

It has three hands.

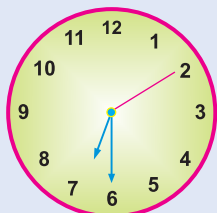
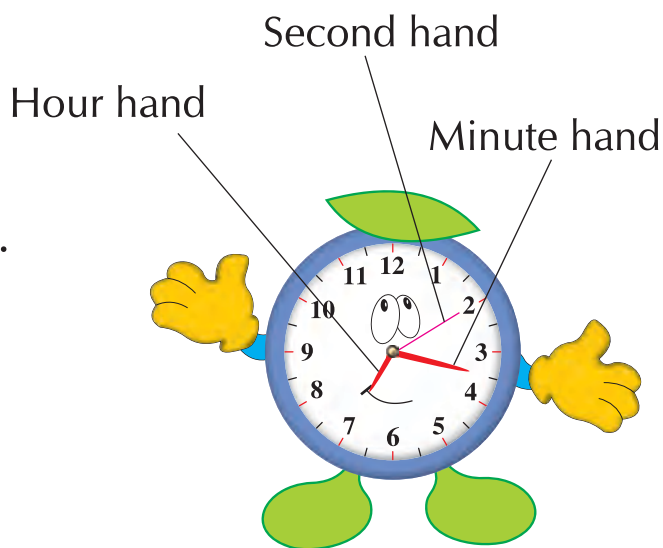
Short hand, long hand and thin hand.

The short hand shows **hours**.

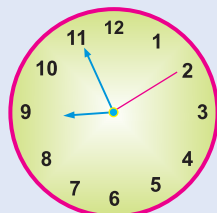
The long hand shows **minutes**.

The thin hand shows **seconds**.

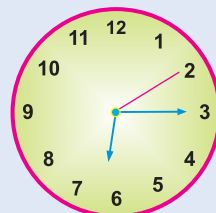
Look and learn.



Half past Six



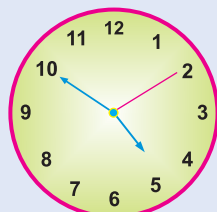
Five minutes to Nine



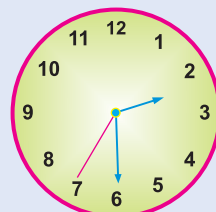
Quarter past Six



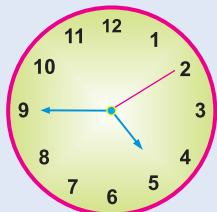
Quarter to Eight



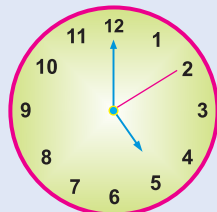
Ten minutes to Five



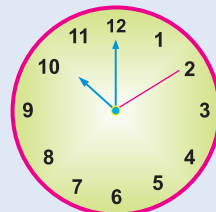
Half past Two



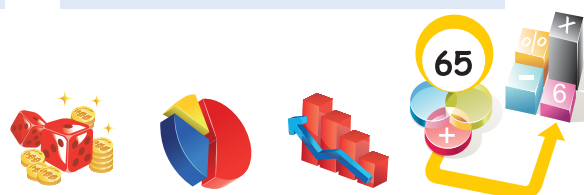
Quarter to Five



Five o'clock



Ten o'clock





Make the hands of the clock and show the time given.

4 : 45

5 : 15

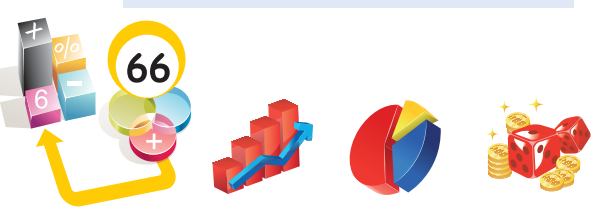
2 : 30

7 : 30

11 : 55

10 : 00


Recognise the time and write in the box.





Shapes

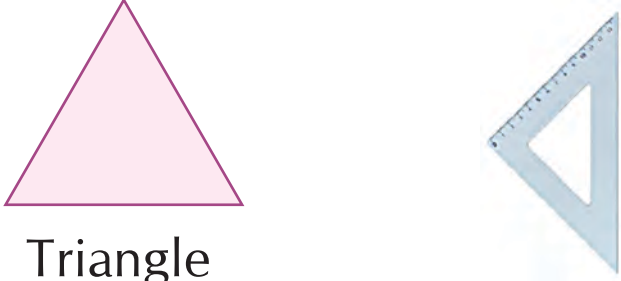
Shapes and the objects :



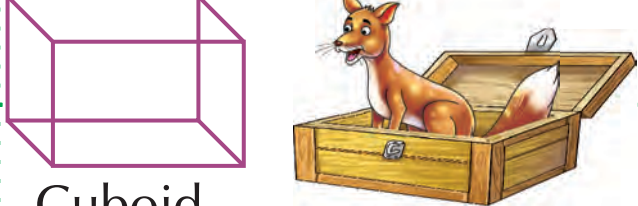
Rectangle




Cylinder



Triangle



Cuboid




Circle



Cube



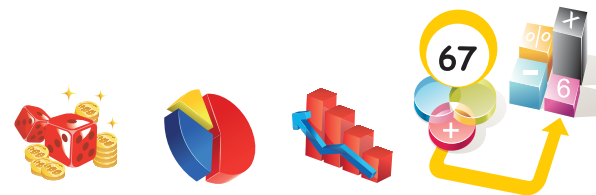
Sphere

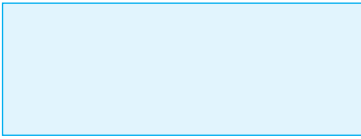



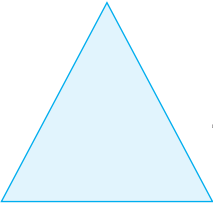



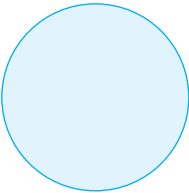


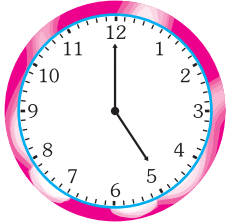
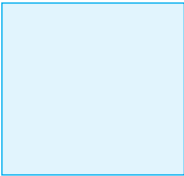





Square



Cone



 Rectangle			
 Triangle			
 Circle			
 Square			

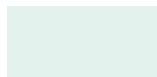
Match the following.



Square



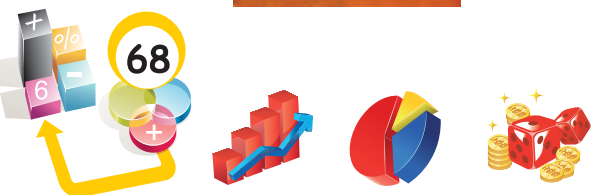
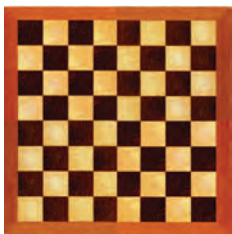
Rectangle

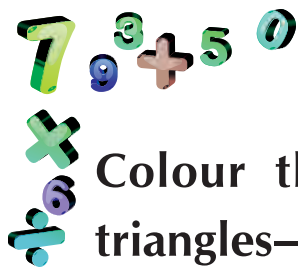


Triangle

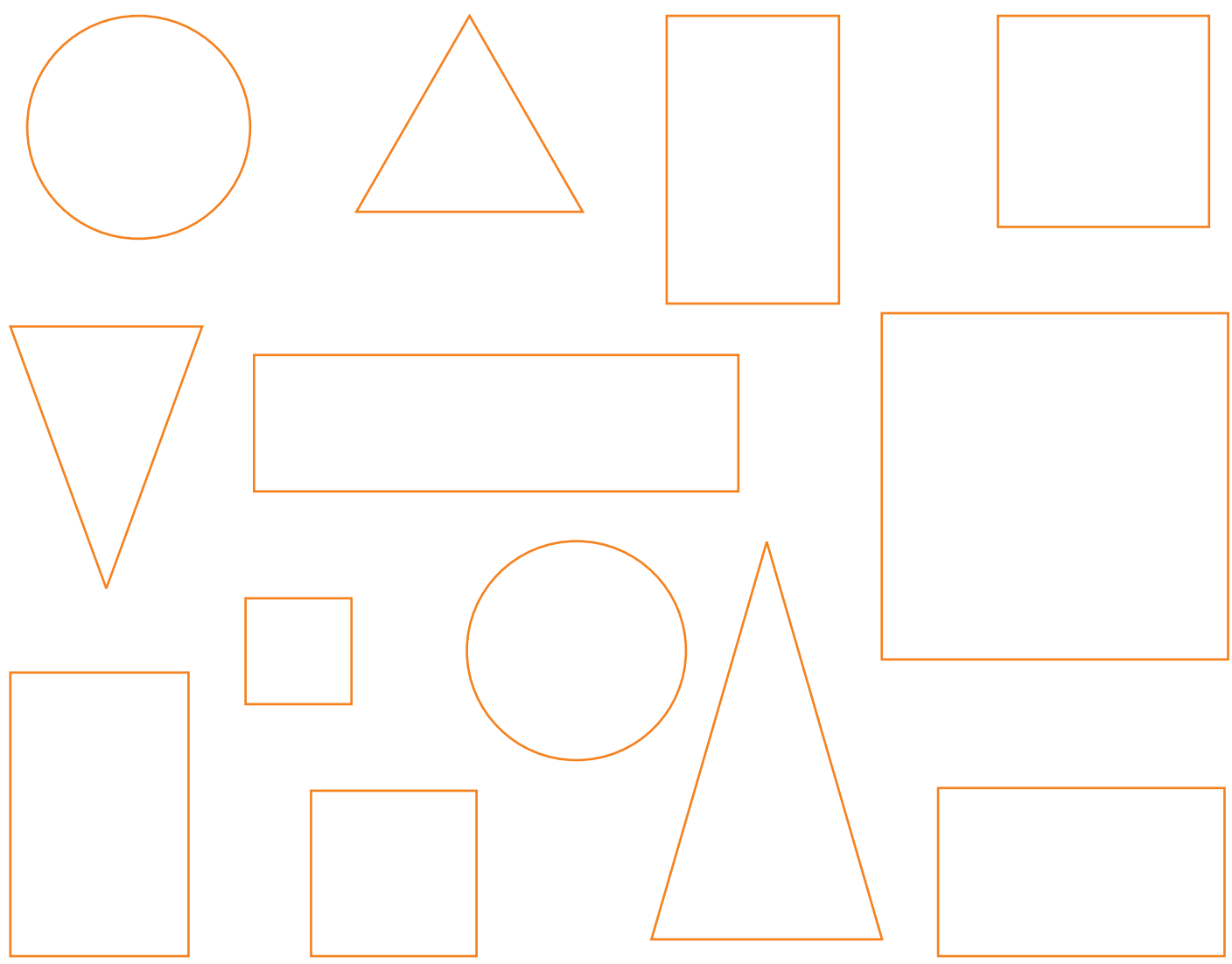


Circle



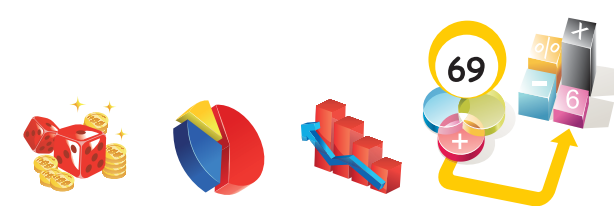


Colour the circles—green, squares—red, rectangles—blue and triangles—pink.



Count and write the number in the box.

Number of circles	<input type="text"/>	Number of squares	<input type="text"/>
Number of rectangles	<input type="text"/>	Number of triangles	<input type="text"/>





Days and Months

A week has seven days.

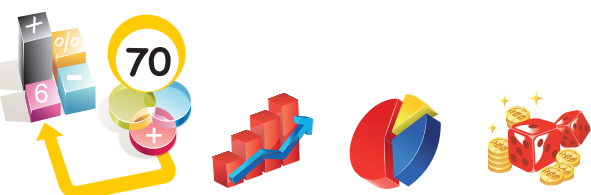
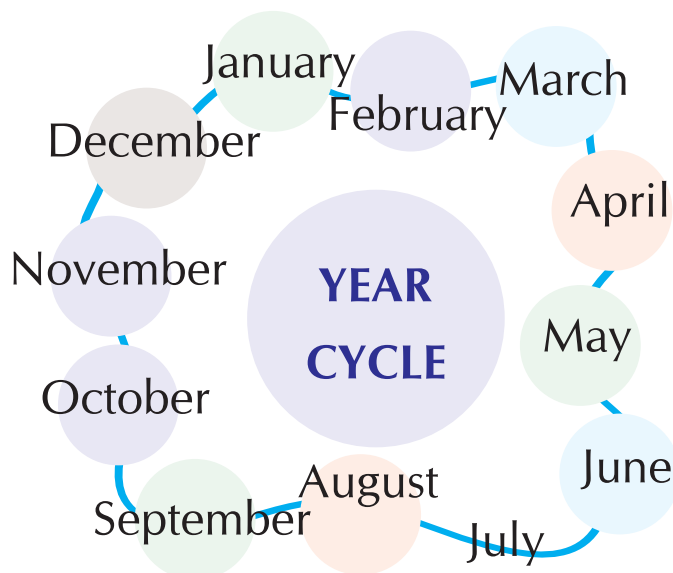
These days are :

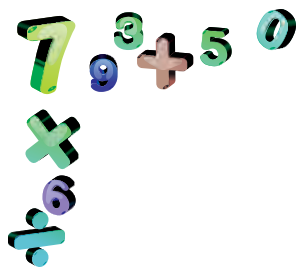
MONDAY	is the first day of the week.
TUESDAY	is the second day of the week.
WEDNESDAY	is the third day of the week.
THURSDAY	is the fourth day of the week.
FRIDAY	is the fifth day of the week.
SATURDAY	is the sixth day of the week.
SUNDAY	is the seventh and last day of the week.

A year has 12 months.

These months are :

January	February	March	April
May	June	July	August
September	October	November	December





THINK AND WRITE

1. Fill in the blanks.

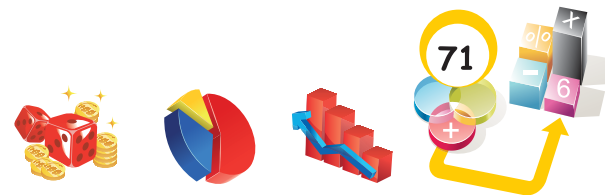
- is the second day of the week.
- comes after Friday.
- comes before Thursday.
- is the sixth day of the week.

2. Write the day between the two days mentioned here.

- Tuesday Thursday
- Thursday Saturday
- Sunday Tuesday
- Saturday Monday
- Monday Wednesday

3. Fill in the blanks.

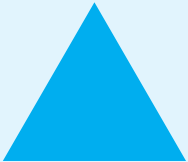

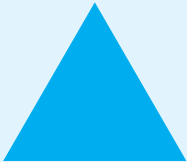

- comes after January.
- comes after April.
- comes after July.
- comes before October.
- comes before April.
- comes before September.





Pattern is formed by following a sequence and repeating it.

Complete the sequence.

				<input type="text"/>	<input type="text"/>	<input type="text"/>
---	---	---	---	----------------------	----------------------	----------------------

8	b	8	b	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	---	---	---	----------------------	----------------------	----------------------

+	×	+	×	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	---	---	---	----------------------	----------------------	----------------------

Complete the sequence by writing the next 3 numbers in the sequence :

11	13	15	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----	----	----	----------------------	----------------------	----------------------	----------------------

7	10	13	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
---	----	----	----------------------	----------------------	----------------------	----------------------

10	12	14	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----	----	----	----------------------	----------------------	----------------------	----------------------

18	21	24	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----	----	----	----------------------	----------------------	----------------------	----------------------

