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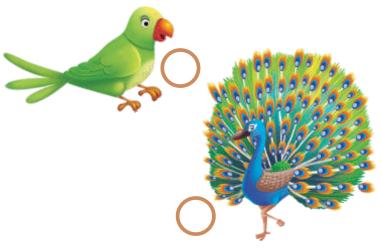


## Big and Small



Tick (✓) the bigger and cross (×) the smaller animal.





Trace the figures with the help of a pencil and colour the bigger one with red.





### Tall and Short



Look at the object and write T for the tall and S for the

short object.



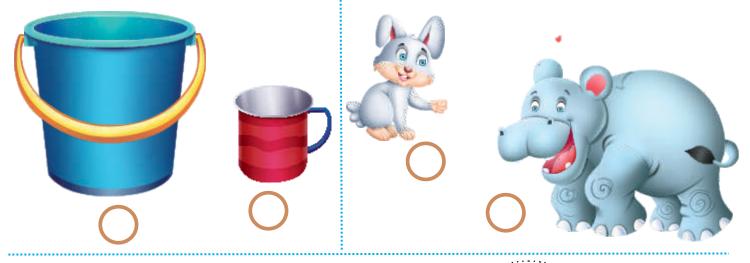
Colour the bigger one with yellow and the shorter one with black.



## Heavy and Light



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

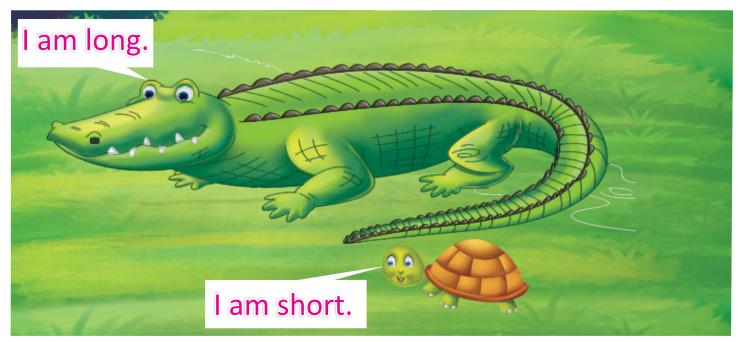


Trace the figures with the help of a pencil and colour the heavy one with red.



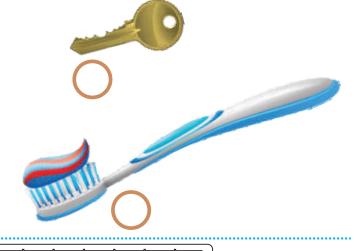


## Long and Short

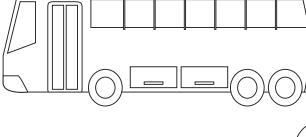


Look at the object and write L for the long and S for the





Colour the long one with red and the shorter one with blue.

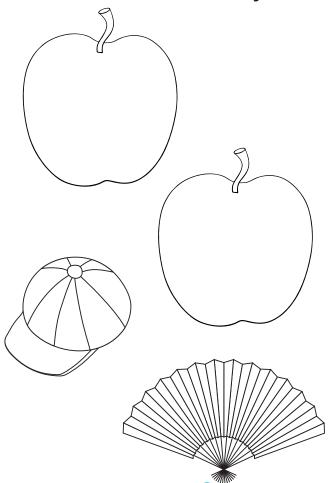




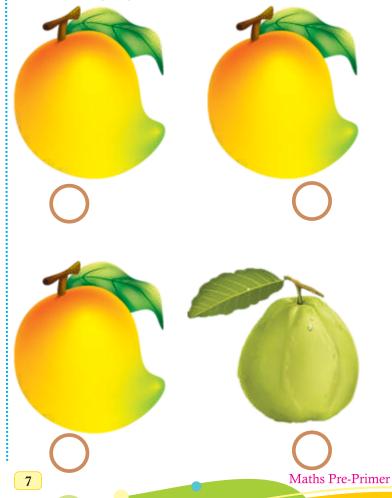
## Similar Kinds



Colour the same objects.



Cross (\*) the same fruits.





### Odd One Out











Objective: Children should be able to say whether an object belongs to a collection with distinct features.



Cross (X) the one which is different in each row:

















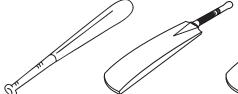








Colour the different object in each row:























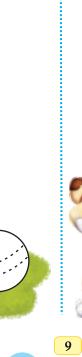
## Near and Far



Objective: The child learns to draw by comparing and classifying objects based on distance.



near the tree:



Colour the object which is Tick (✓) the animal which is far from the girl:



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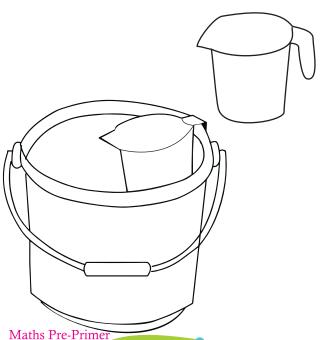
### Inside and Outside



Objective: The child learns to draw by comparing and classifying objects based on their places/positions.



Colour the mug which is inside the bucket:



Cross (\*) the fruit which is outside the basket:



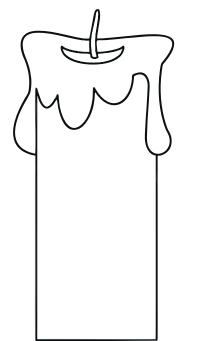


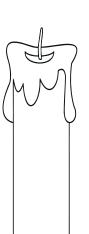
### **Thick and Thin**



Objective: The child learns to draw by comparing and classifying objects based on size.







Colour the thicker object: Cross (\*) the object which is thick:





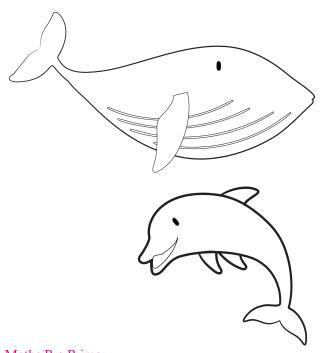
## Fat and Slim



Objective: The child learns application of facts, improves his thinking skill, classifies and discriminates objects based on size.



#### Colour the fat one:



Tick (✓) the slim one:



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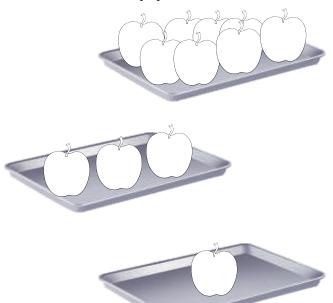
### More and Less



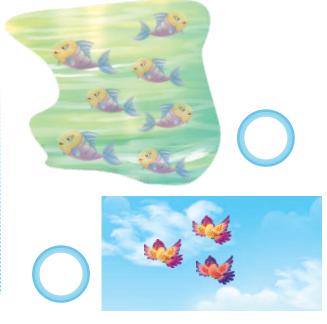
Objective: The child learns to draw by comparing and classifying objects based on quantity.



Colour the tray which has more apples:



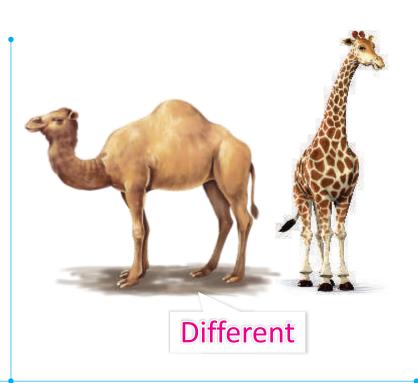
Write M for more objects and L for less objects:





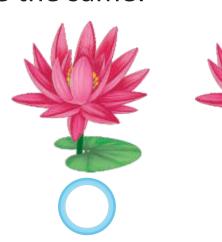
## Same-Different





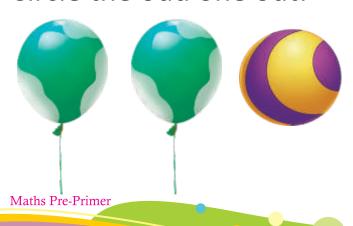
Tick (✓) the objects that are the same:







Circle the odd one out:









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## Shapes

#### Let's learn about four basic shapes:





A rectangle has four sides and four corners. Its opposite sides are equal.





A square has four sides and four corners. Its all sides are equal.





A triangle has three sides and three corners. Its sides may or may not be equal.



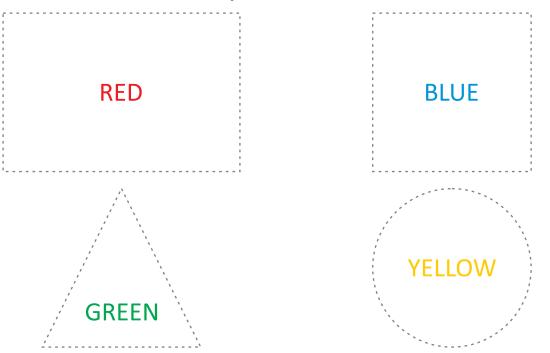


A circle has no sides and no corners. It is round in shape.

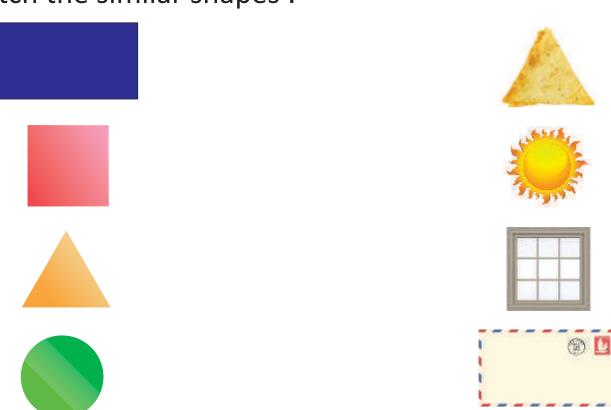
Objective: The child learns to identify the objects based on shapes.



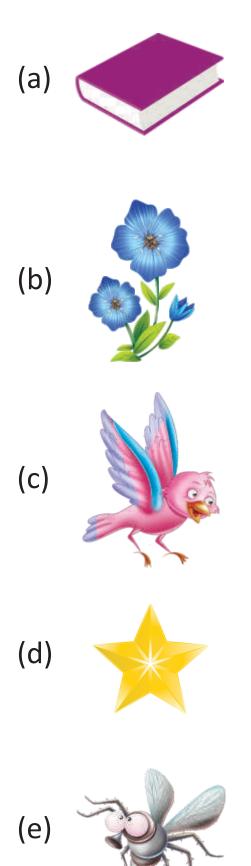
Trace and colour the shapes with indicated colour:



Match the similar shapes:



#### Match the objects with their collections:



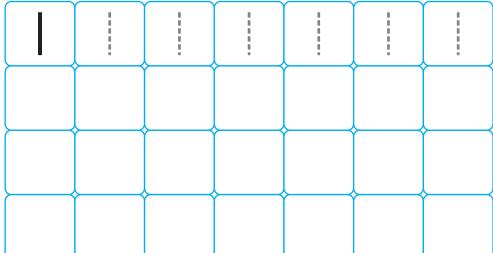




# Counting (1-9)







2 2 2 2 2 2

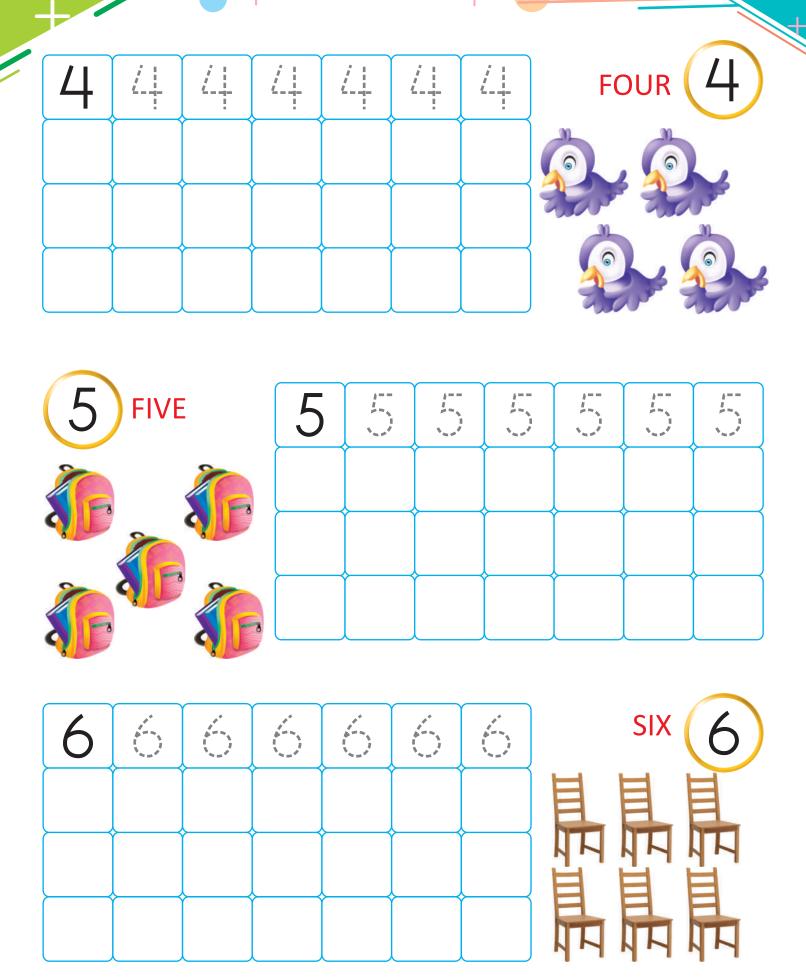


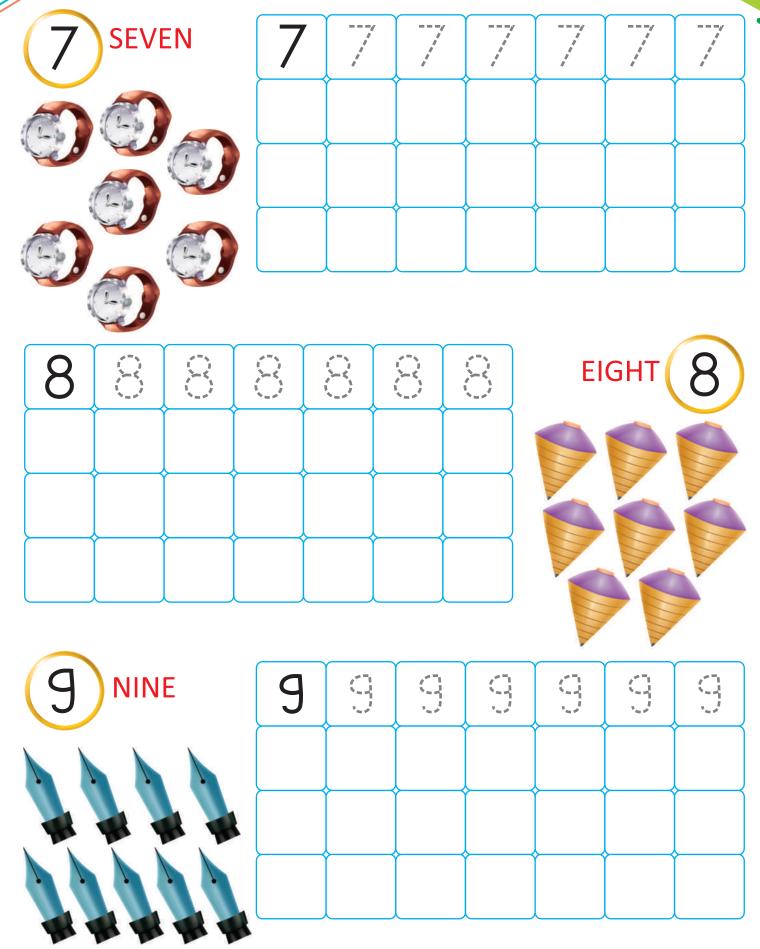


3 THREE



3 3 3 3 3 3

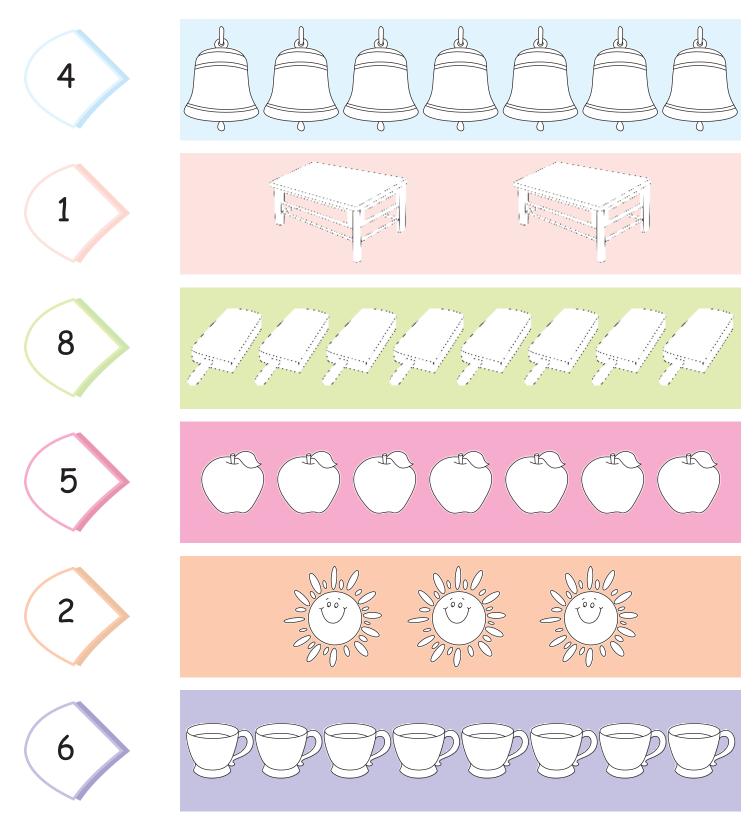






## **Count and Colour**

Read the numbers and colour the objects accordingly.



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## Concept of Zero

#### Look and understand:



I have three carrots.



I am eating one carrot.



I have two carrots now.



Now I am eating one more carrot.



So I have just one carrot now.

I am eating the last carrot.

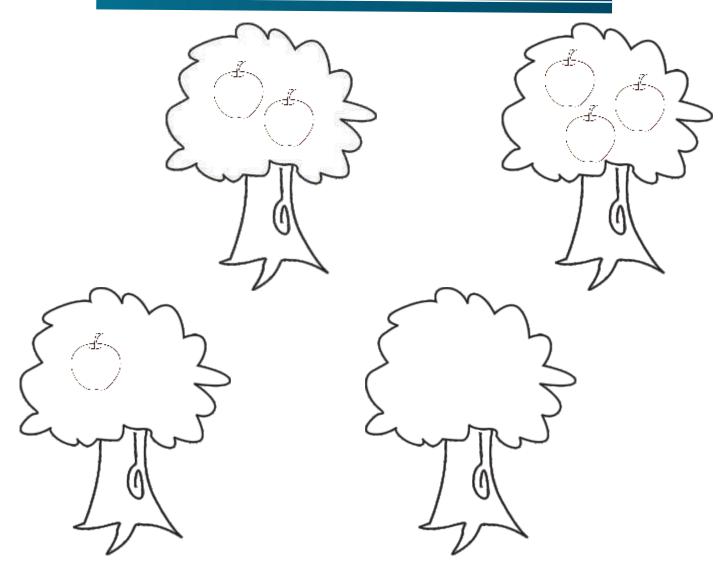


Now all the carrots have been eaten. This means nothing or absence of something. We read this as zero. We write this as 0.



Learn to read and write 0

# Colour the tree which has 0 apple or no apple.



#### Copy writing practice of 0

0	,,,,,,	 ******	 *****			
						***************************************
*****		 *****	*****	******	 *****	*****



### The Number Ten

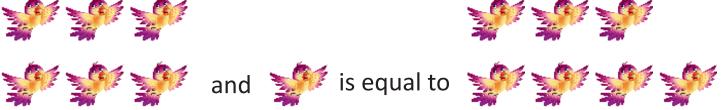
#### Read and understand:













Look, once again:





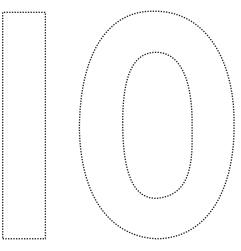




9 and 1 more make 10. We read this as ten.

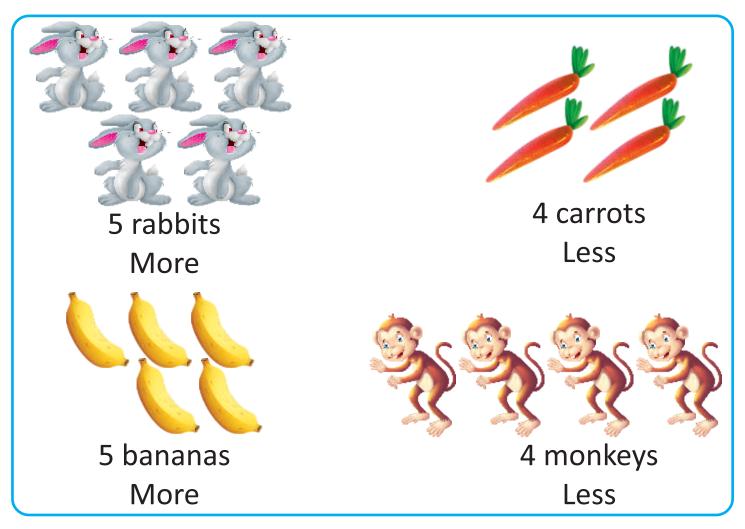


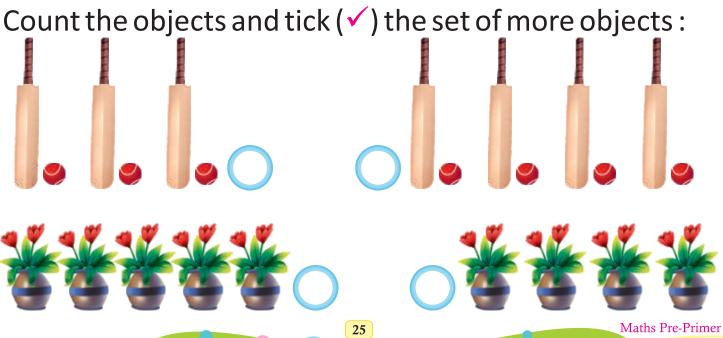
Trace and colour:





### More and Less







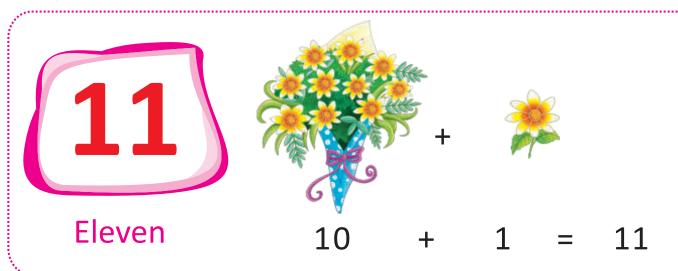
## One More Than

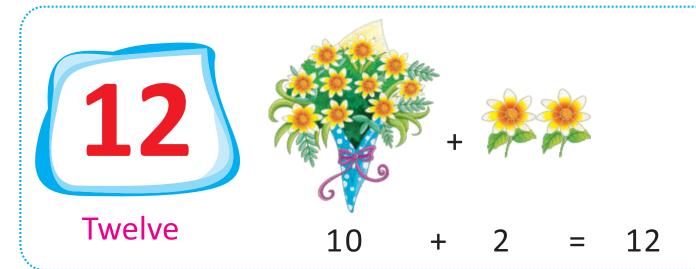
#### Count and write the number in the box :

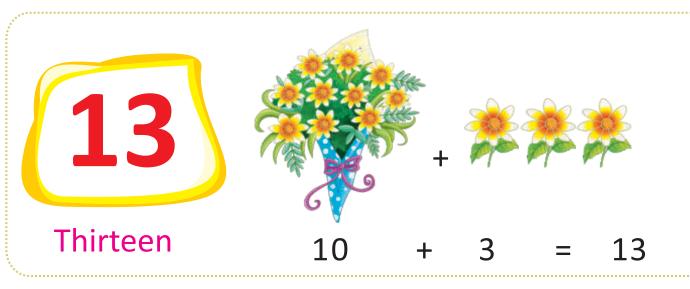




# Counting (11-20)









Fourteen

+

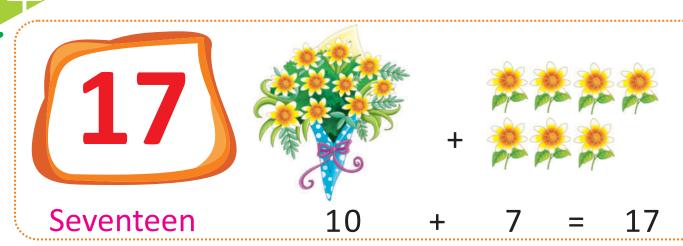
Fifteen

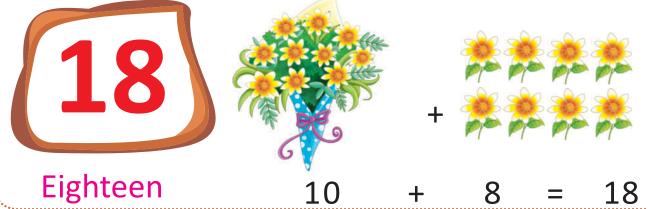


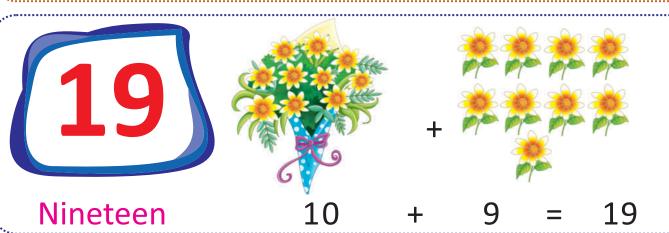
+

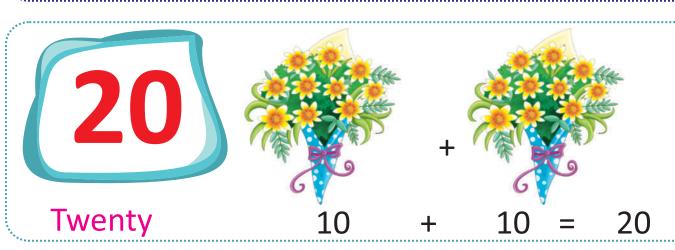
Sixteen













## Let's Learn Addition



There are 2 flowers in a garden.



There are 4 flowers in another garden.

Now, there are 6 flowers in the both gardens.

ivov, there are o nowers in the both gardens.

Mathematically, we write it as (vertically): ——

Horizontally we write it as: 2 + 4 = 6

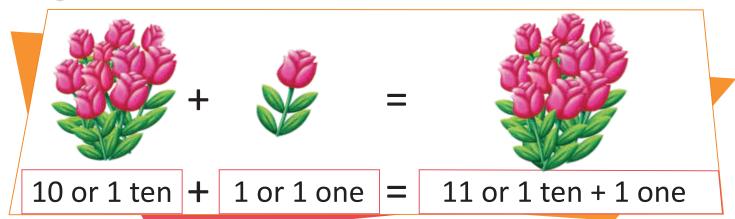
It is read as, two plus four is equal to (=) six.

(+) is the sign of Addition.

(=) is the sign of equal to.



### Tens and Ones



#### Sort tens and ones:

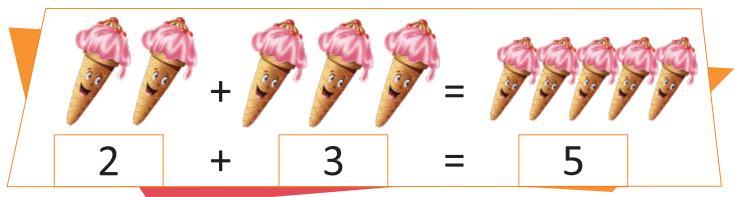
$$55 =$$
 Tens  $+$  ones

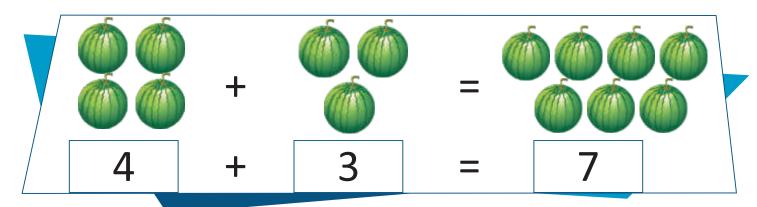
$$34 =$$
 Tens  $+$  ones

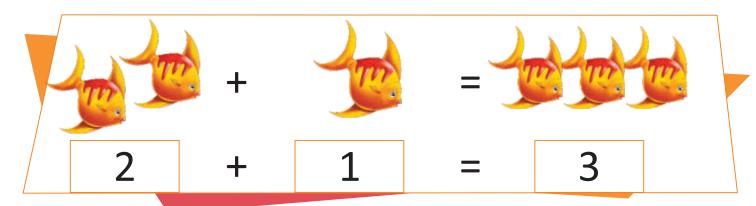
$$74 =$$
 Tens + ones

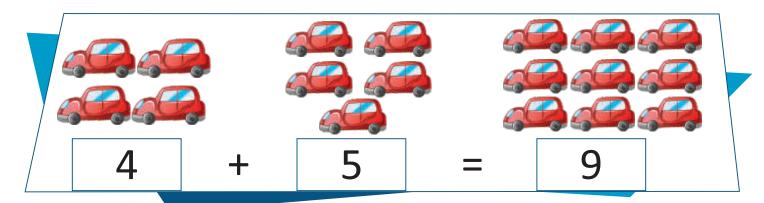


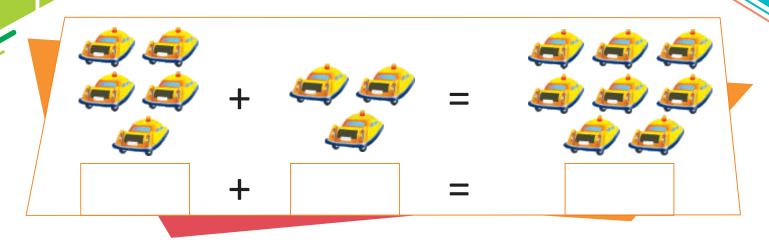
## Addition



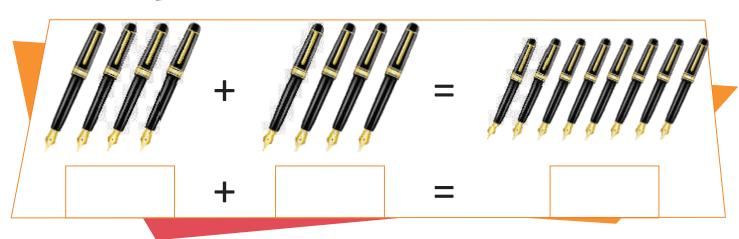














### **Vertical Addition**

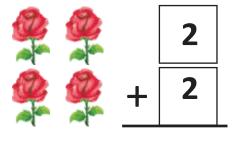


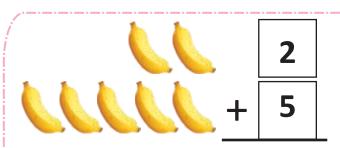


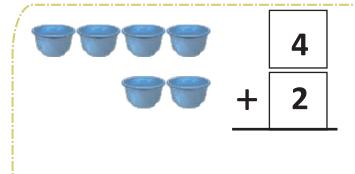
+ 2

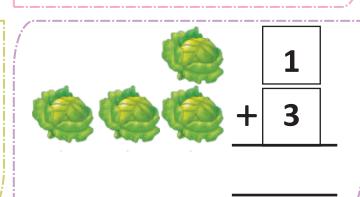


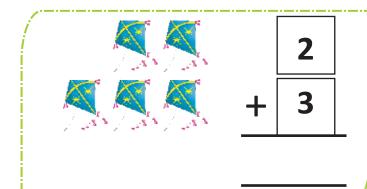


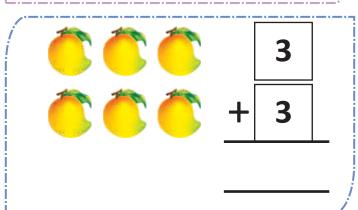














# Addition of Zero (0)



Nothing in the plate.



2 apples kept in the plate.



Same 2 apples are in the plate.

We find that;

$$0 + 2 = 2$$

In the same way;

$$0 + 5 = 5$$

$$0 + 7 = 7$$
 and so on

When a number is added to zero, the number remains the same.



We keep 4 samosas in a plate.



We kept nothing more in the plate.



4 samosas will remain in the plate.

We find that;

$$4 + 0 = 4$$

In the same way;

$$6 + 0 = 6$$

$$9 + 0 = 9 \text{ and so on}$$

When zero is added to any number, the number remains the same.



#### Add the following horizontally:





























#### Add the following vertically:

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# Addition with Word Problem



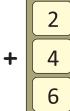
Abhi has 2 balloons.



His sister gives him 4 balloons.



Now, Abhi has 6 balloons.



1



There are 3 birds in the field.



3 more birds join them.



Now, there are birds in the field.



2



There are 4 apples in the tray.



Sita puts 2 more apples in the tray.



Now, there are \_\_\_\_ apples in the tray.



3



There are 5 pens on the table.



Ram puts 1 more pen on the table.



Now, there are \_\_\_\_ pens on the table .



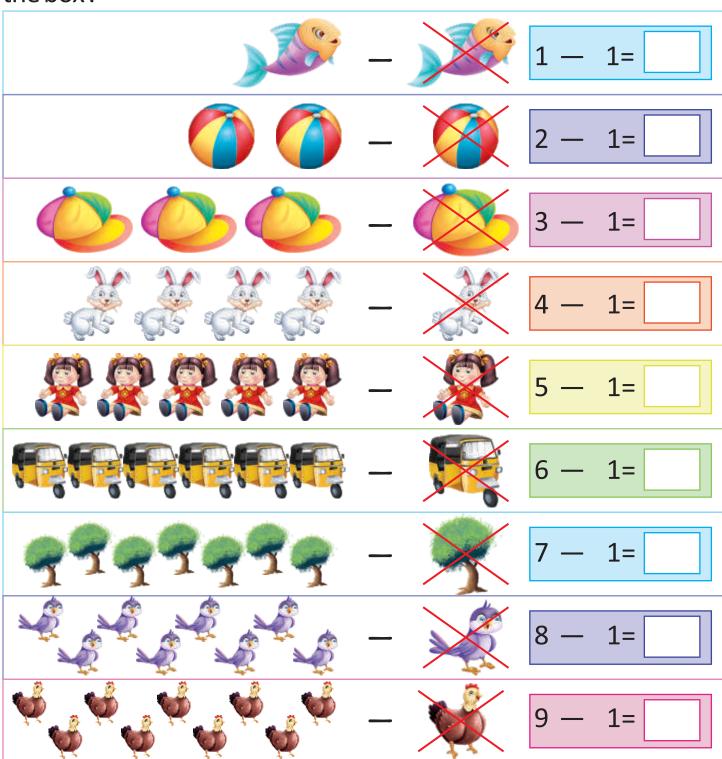


### Add the following.



# One Less Than

First count the objects which are not crossed out and then count the objects which are crossed out. Write the correct number in the box:





# Subtraction



There are 3 butterflies on the flower.





1 butterfly flew away.

Now, there are only two butterflies on the flower.

Mathematically, we write it as (vertically): \_\_\_\_\_\_\_1

Horizontally we write it as 3 - 1 = 2

It is read as, three minus one is equal to (=) two.

(—) is the sign of **Subtraction**.



### Count, subtract and write their number in the boxes:































### Count, subtract and write their number in the boxes :





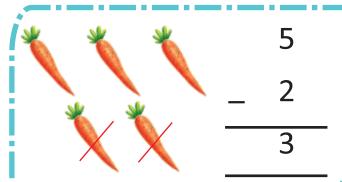


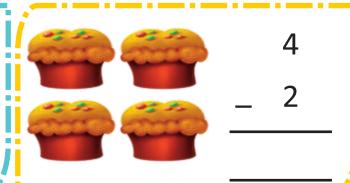


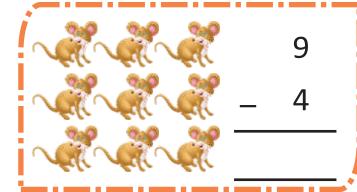


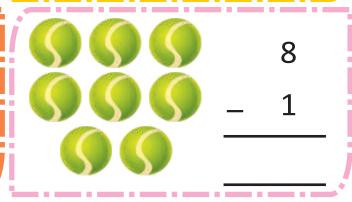
# Vertical Subtraction

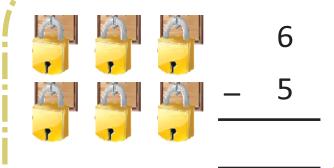
### Cross out and subtract



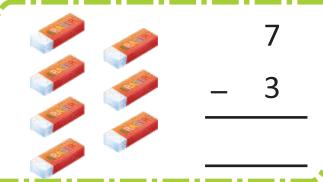


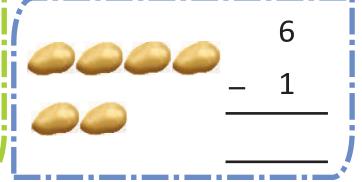














### Subtract the following:

4 - 2 6 - 3 2 - 1

3 \_\_\_\_\_\_ 7 \_- 6 8 - 1 8 - 5

6 - 3

 4

 2

 4

 - 3

8 - 2

5 - 3 
 7

 - 1

9 - 2

5 - 1

4 \_- 1 6 - 4

9 8

3 - 2



# Before, After and Between

#### Look and understand:



Nobita is before Doraemon.

Jiyan is after Doraemon and Doraemon is between Nobita and Jiyan.

### Look and understand once again:



Mickey is between Jerry and Tom.

Tom is after Mickey and Jerry is before Mickey.



In Between 2 is between 1 and 3.

After
3 is after 2.

### Before

Circle the objects which are before the cap:



# After

Tick (✓) the objects which are after the grapes :

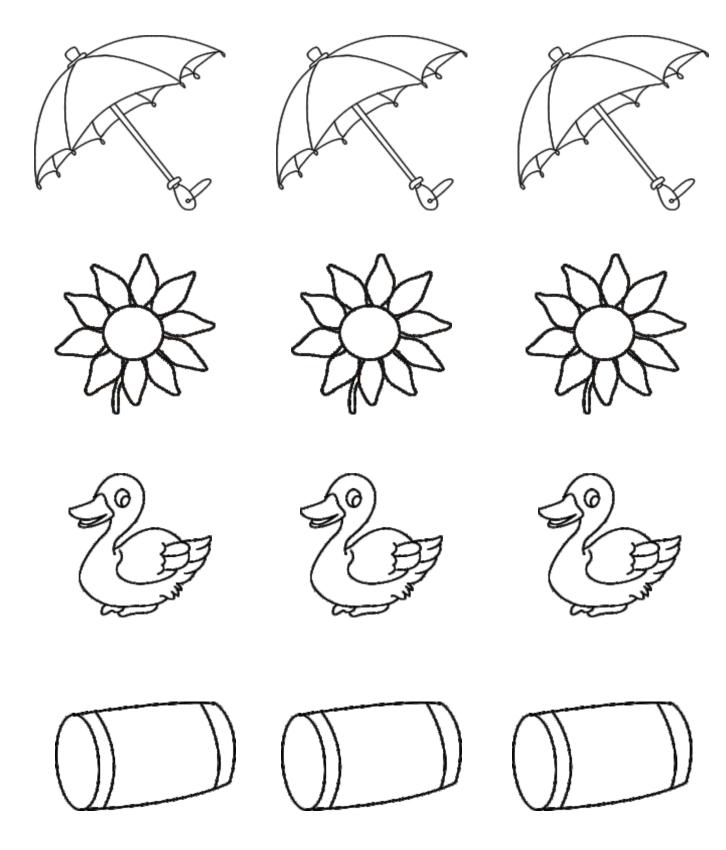


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# Between

Colour the objects which are in between.





### Fill in the blanks:

### What comes Before

\_\_\_\_ 12 \_\_\_\_ 2

\_\_\_\_ 8 \_\_\_\_ 10

\_\_\_\_ 7 \_\_\_\_ 13

\_\_\_\_ 6 | \_\_\_\_ 5

\_\_\_\_ 3 \_\_\_\_\_ 16

### What comes After

18 \_\_\_\_ 13 \_\_\_\_

3 \_\_\_\_ 11 \_\_\_\_

15 \_\_\_\_ 7 \_\_\_\_

10 \_\_\_\_ 9 \_\_\_\_

4 \_\_\_\_ 17 \_\_\_\_

### What comes Between

11 \_\_\_\_ 13 2 \_\_\_ 4

10 \_\_\_\_ 12 | 1 \_\_\_\_ 3

9 \_\_\_\_ 11 7 \_\_\_ 9

4 \_\_\_\_ 6 18\_\_\_\_ 20

6 \_\_\_\_ 8 \ 12\_\_\_ 14

### Solve

\_\_\_\_ 16 \_\_\_\_ 7

15 \_\_\_\_ 3

10 \_\_\_\_ 8

9 \_\_\_\_ 17 \_\_\_\_ 19

8 \_\_\_\_ 10 \_\_\_\_



# Counting (21-100)

21

Twenty One

22

Twenty Two

23

Twenty Three

24

Twenty Four

25

Twenty Five

26

**Twenty Six** 

27

Twenty Seven

28

Twenty Eight

29

**Twenty Nine** 

30

Thirty

31

Thirty One

32

Thirty Two

33

Thirty Three

34

**Thirty Four** 

35

Thirty Five

36

Thirty Six

37

Thirty Seven

38

Thirty Eight

39

Thirty Nine

40

Forty

41

Forty One

42

Forty Two

43

Forty Three

44

Forty Four

45

Forty Five

46

Forty Six

47

Forty Seven

48

Forty Eight

49

**Forty Nine** 

50

Fifty

51

Fifty One

52

Fifty Two

53

Fifty Three

54

Fifty Four

55

Fifty Five

56

Fifty Six

57

Fifty Seven

58

Fifty Eight

59

Fifty Nine

60

Sixty

61	71	81	91
Sixty One	Seventy One	Eighty One	Ninety One
62	72	82	92
Sixty Two	Seventy Two	Eighty Two	Ninety Two
63	73	83	93
Sixty Three	Seventy Three	Eighty Three	Ninety Three
64	74	84	94
Sixty Four	Seventy Four	Eighty Four	Ninety Four
65	75	85	95
Sixty Five	Seventy Five	Eighty Five	Ninety Five
66	76	86	96
Sixty Six	Seventy Six	Eighty Six	Ninety Six
67	77	87	97
Sixty Seven	Seventy Seven	Eighty Seven	Ninety Seven
68	78	88	98
Sixty Eight	Seventy Eight	Eighty Eight	Ninety Eight
69	79	89	99
Sixty Nine	Seventy Nine	Eighty Nine	Ninety Nine
70	80	90	100
Seventy	Eighty	Ninety	One hundred



# Ascending Order

Ravi is at the bottom.

He is going up.

He climbs up step no. 1

Count the steps as he climbs up.

His steps are

1 4 5 6 8 10 10 4 3



# Descending Order

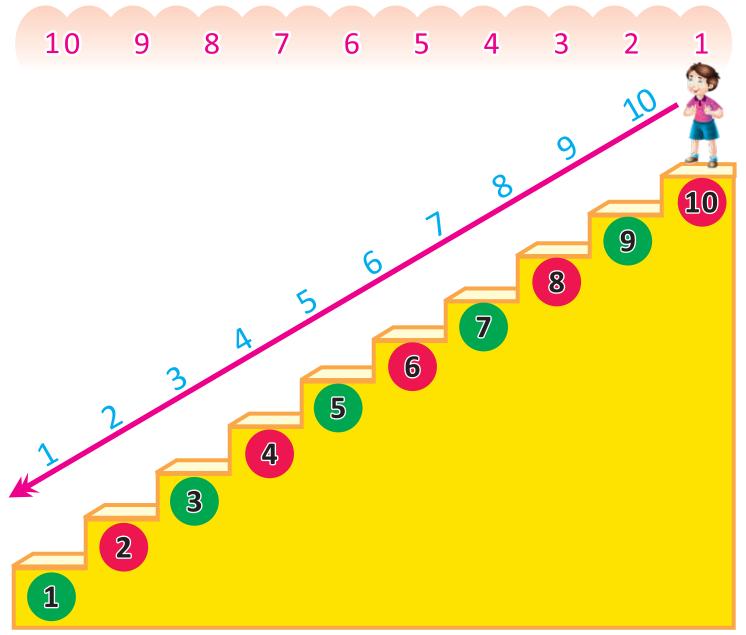
Ravi is at the top. He comes down to step 9.

Then step 8 and so on.

Then step no. 7 and so on.

Now count the steps as he comes down.

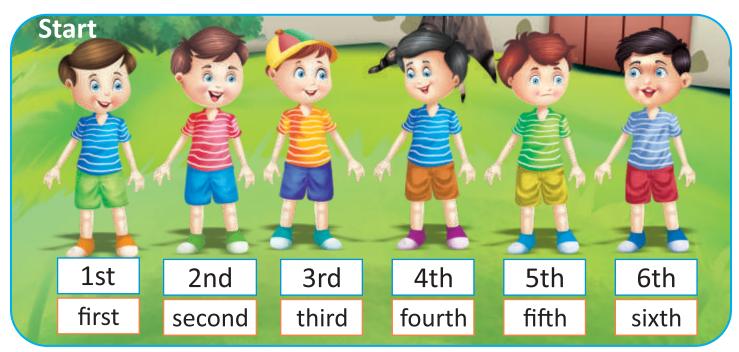
His steps are





## Ordinal Numbers

The numbers that indicate the position are called ordinal numbers  $1^{st}$ ,  $2^{nd}$ ,  $3^{rd}$ ,  $4^{th}$ .. are ordinal numbers. In words, the ordinal numbers are written as first, second, third, fourth etc.



The number above show the position of each boy in the queue. The following table show numbers and their ordinal numbers:

Number	Ordinal Number
1	First
2	Second
3	Third
4	Fourth
5	Fifth

Number	Ordinal Number	
6	Sixth	
7	Seventh	
8	Eighth	
9	Ninth	
10	Tenth	

### Circle and colour the correct picture in each row:

Second	
Fifth	<u> </u>
Third	
Ninth	
Fourth	
Sixth	99999
Seventh	



# Indian Currency

### **Indian Coins:**



₹ 1



₹ 2



₹ 5



₹ 10

### Indian Paper Currency:



₹ 1



₹ 10



₹ 2



₹ 20



₹ 5



₹ 50



₹ 100



₹ 500



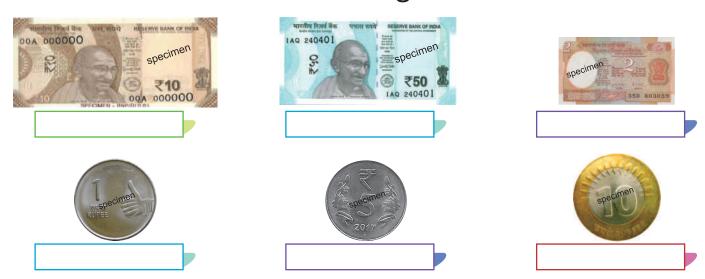
₹ 200



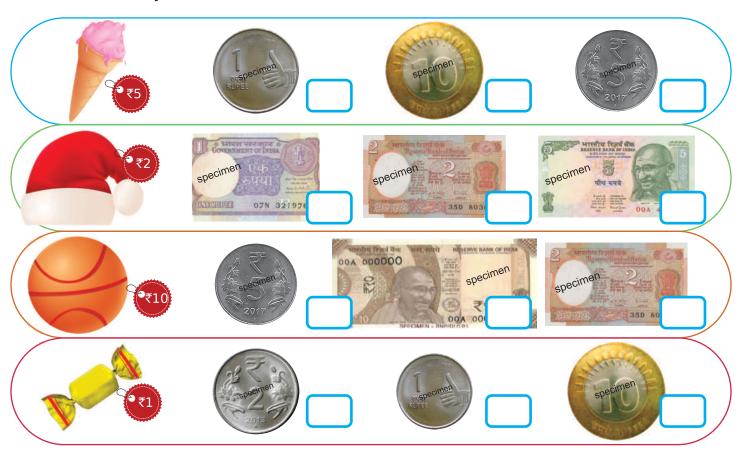
₹ 2000



### Write the value of the following:



Read the tag on each object. Tick ( $\checkmark$ ) the coin/note you need to buy it :



Maths Pre-Primer



### Time

A clock has twelve numerals on its face.

It has two hands.

The long hand of the clock tells us the minutes.

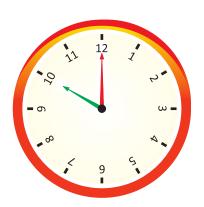
It is at 12.

The short hand of the clock tells us the hours.

It is at 10. Time is 10 o'clock.

The minute-hand moves from one numeral to another in five minutes.

The hour-hand goes round the clock in one hour.





#### Look at the clock:



6 o'clock (Morning) You wake up.



12 o'clock (Noon) You take your lunch.



7 o'clock (Morning) You take a bath.



2 o'clock (Afternoon) Your school is over.



8 o'clock (Morning) You go to school.



5 o'clock (Evening) It is your play time.



### Write the time in boxes:



1 o'clock













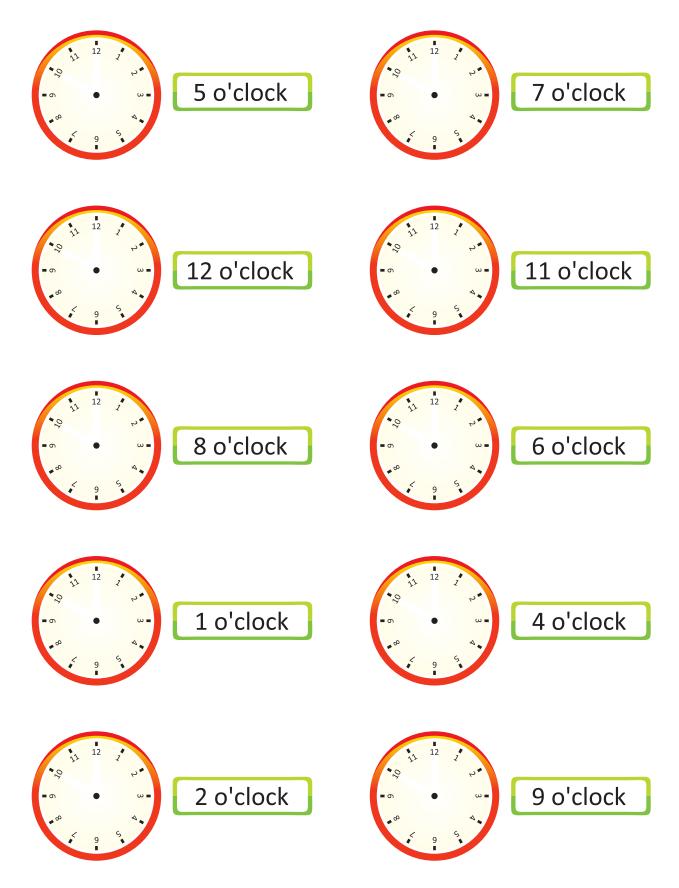








Look at the time and make hands of the clock.





### Look and understand:

- 1. A B C A B C A B C ...
- 2. 1 2 3 4 1 2 3 4 ...
- $3. +- + + + + \dots$
- 4. 0 0 0 0 0 0 0 0 ...

Above each series forms a pattern.



### Complete the patterns:

- 1.
- 2.
- 3.



### Days of the Week

### There are seven days in a week.

#### 1 week = 7 days

**SUNDAY** → First day of the week

MONDAY → Second day of the week

**TUESDAY** → Third day of the week

**WEDNESDAY** → Fourth day of the week

**THURSDAY** — Fifth day of the week

FRIDAY → Sixth day of the week

SATURDAY → Seventh day of the week

Note: In some countries, Monday is the first day of the week.



#### Fill in the blanks:

- 1. \_\_\_\_\_ is the third day of the week.
- 2. \_\_\_\_\_ is the fourth day of the week.
- 3. \_\_\_\_\_ is the second day of the week.
- 4. \_\_\_\_\_ is the first day of the week.
- 5. \_\_\_\_\_ is the fun day.





# Months of the year

There are twelve months in a year.

1 year = 12 months

	MONTHS	DAYS
1	JANUARY	31 Days
2	FEBRUARY	28/29 days
3	MARCH	31 Days
4	APRIL	30 Days
5	MAY	31 Days
6	JUNE	30 Days
7	JULY	31 Days
8	AUGUST	31 Days
9	SEPTEMBER	30 Days
10	OCTOBER	31 Days
11	NOVEMBER	30 Days
12	DECEMBER	31 Days









# REMEMBER

- 1. Each month comes again after 11 months.
- 2. January is the first month of the year.
- 3. December is the last month of the year.
- 4. There are 365 (28 days February in a normal year) or 366 (29 days February in a leap year) days in a year.
- 5. Some of the months have 30 days.
- 6. Some of the months have 31 days.



### Fill in the blanks:

- 1. \_\_\_\_\_ is the third month of the year.
- 2. \_\_\_\_\_ is the fourth month of the year.
- 3. \_\_\_\_\_ is the second month of the year.
- 4. \_\_\_\_\_ is the first month of the year.
- 5. \_\_\_\_\_ is the tenth month of the year.