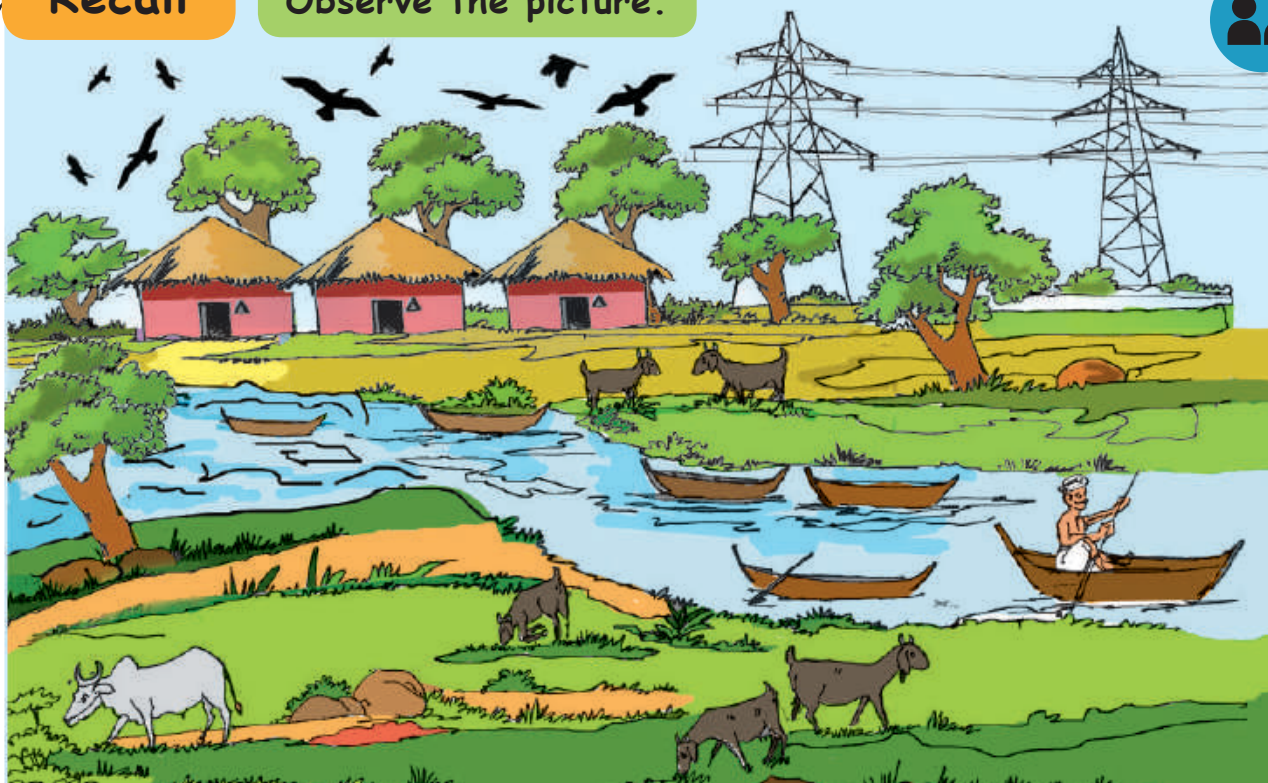


Unit 2 Numbers

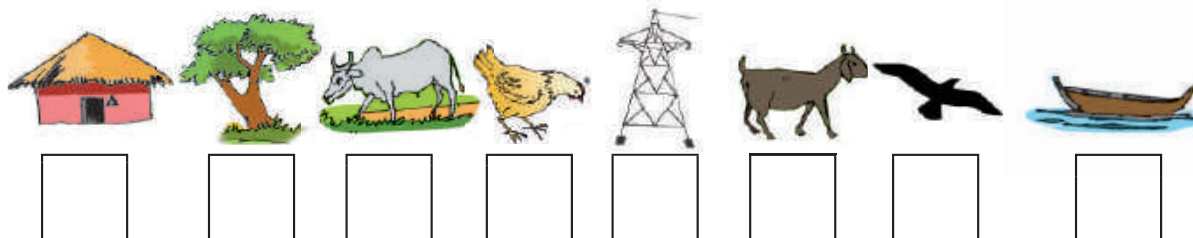
Keywords
Numbers, Before,
After, Between

Recall

Observe the picture.



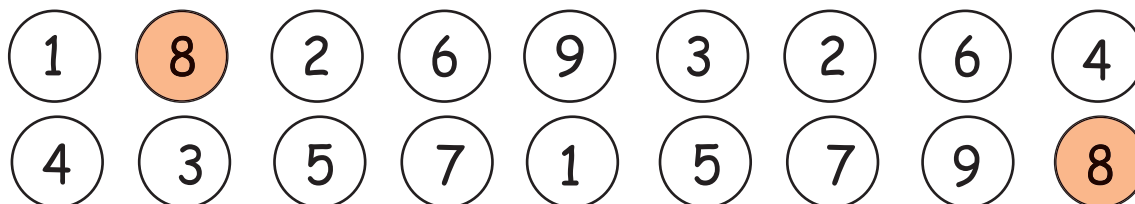
1. Count the following objects from the above picture and write their count.



2. Circle the numbers given below, that are found to be left in the above count.

1 2 3 4 5 6 7 8 9 0

3. Colour the same numbers with the same colour. One is done for you.

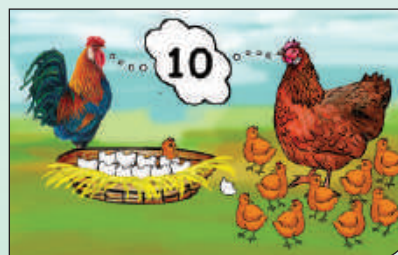
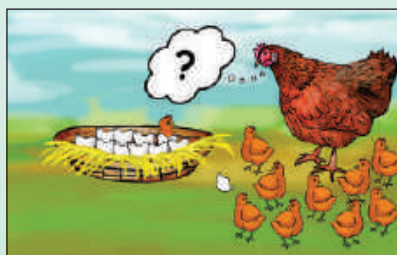
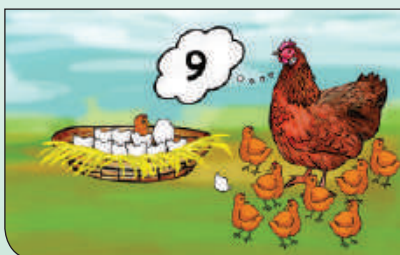
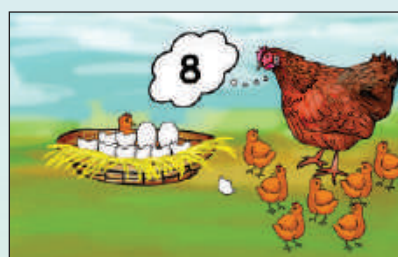
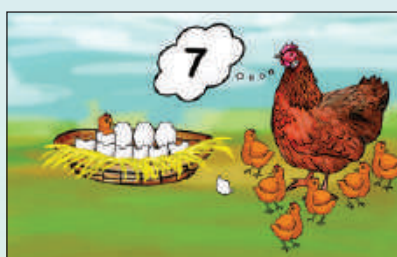
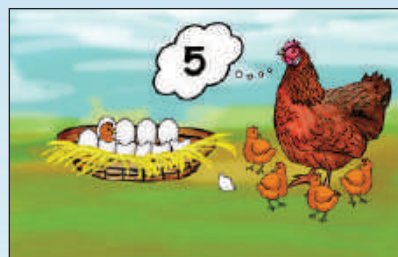
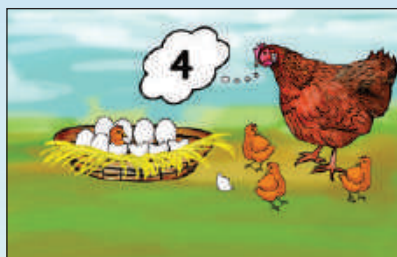
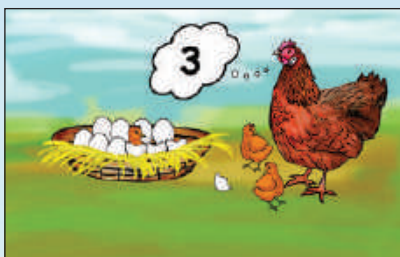
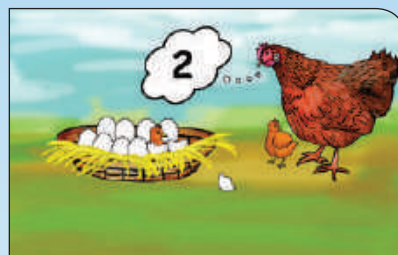
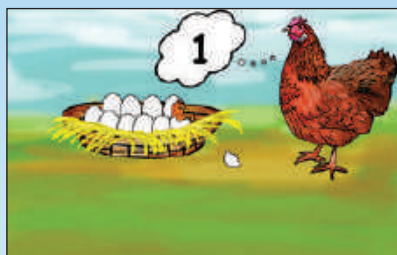
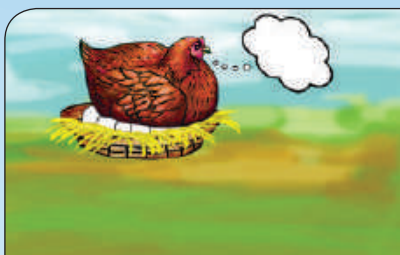


2.1 Introduction to number 10

Travel through



Counting the chicks.



Teacher's Note

Narrate the above story for the introduction of number 10.

Learn



Let us learn what comes after 9 by completing the table.

Beads	Fingers	Number
		0
		1

and one more makes ?

		10
--	--	----

10 is read as Ten.

10 ones = 1 ten

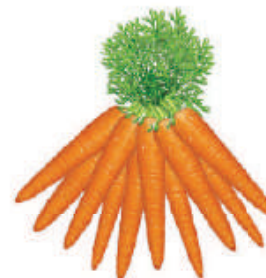
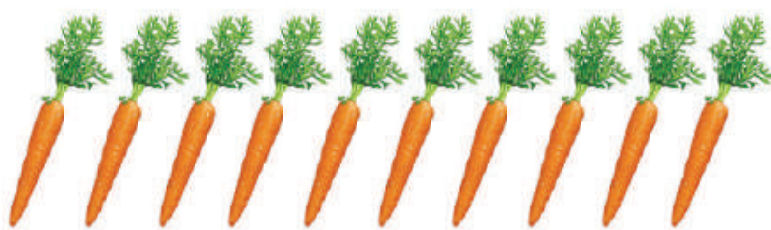


Learn



Let us make groups of 10.

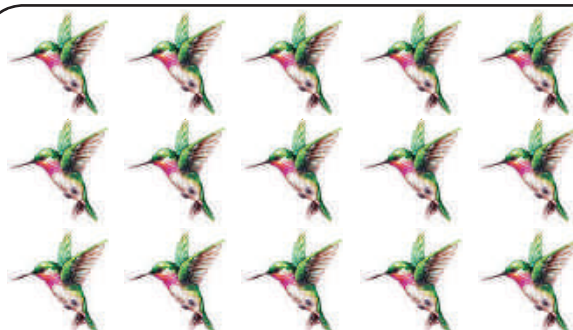
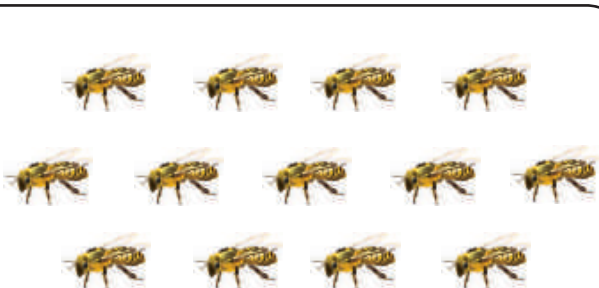
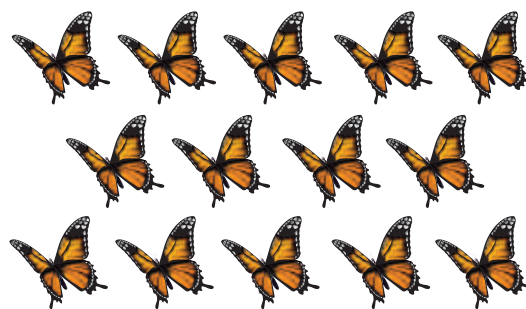
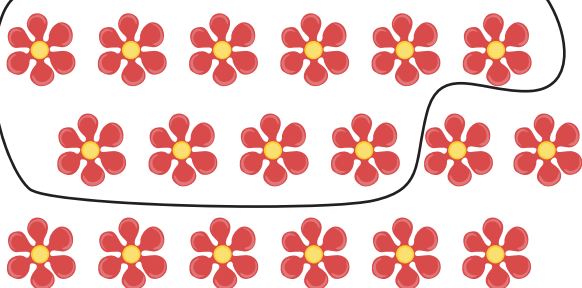
To make counting of large number of objects easier, we group 10 ones and make one bunch of ten.



Practice



Circle groups of 10.



Teacher's Note

Try other possible ways of grouping in tens with easily available items such as match sticks, seeds, unused buttons and pebbles etc.,



Practice

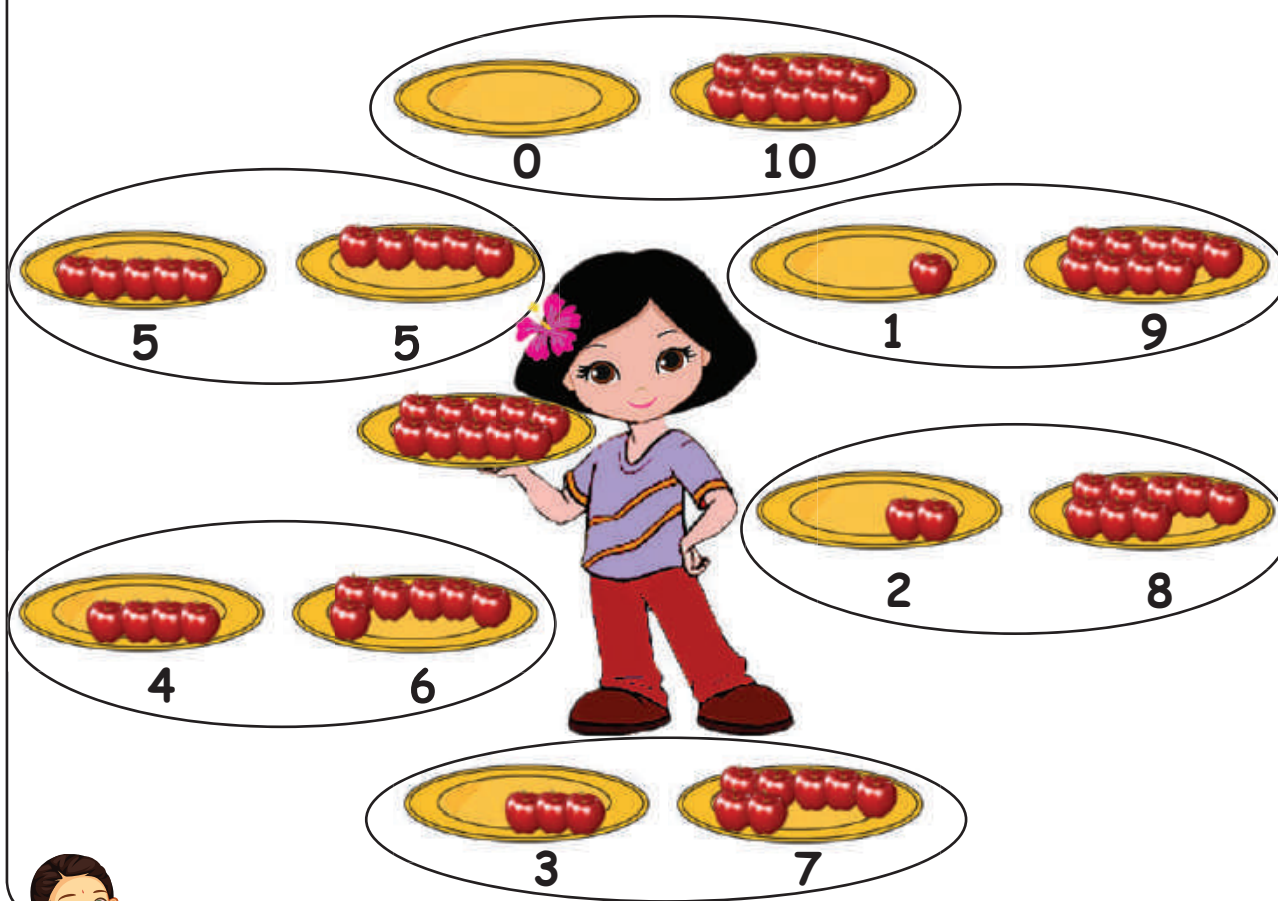


Trace and write number 10.

10	10	10	10	10	10

Know more

10 in many ways.



Think like a Mathematician

Are there any other possible ways of making 10 ? Say them.

2.2 Numbers from 10 to 20

Travel through



Number train, join for fun.

Chikku bukku chikku bukku
Number Train, Join for Fun.

Thadak thadak thadak thadak
Carriage **10**, come and join.

Badak badak badak badak
Carriage **11**, come and join.

Tudum dudum tudum dudum
Carriage **12**, come and join.

Kooo kooo kooo kooo
Carriage **13**, come and join.

Chikku bukku chikku bukku
Carriage **14**, come and join.

Thadak thadak thadak thadak
Carriage **15**, come and join.

Badak badak badak badak
Carriage **16**, come and join.

Tudum dudum tudum dudum
Carriage **17**, come and join.

Kooo kooo kooo kooo
Carriage **18**, come and join.

Thadak thadak badak badak
Carriage **19**, come and join.

Tudum dudum tudum dudum
Carriage **20**, come and join.

Chikku bukku chikku bukku
Number Train, Join for Fun.





Learn




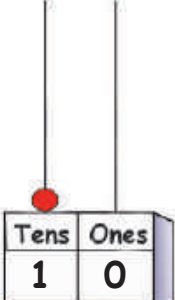


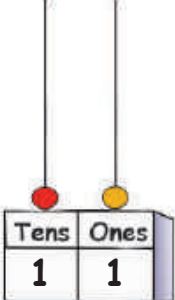


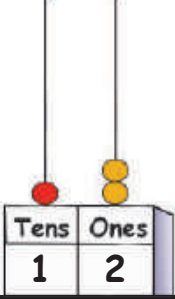


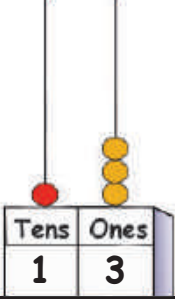


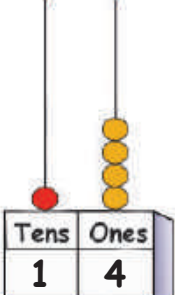

Numbers from 1 to 20.

 1	 2
 3	 4
 5	 6
 7	 8
 9	 10
 11	 12
 13	 14
 15	 16
 17	 18
 19	 20



Learn

Numbers from 10 to 20.



20

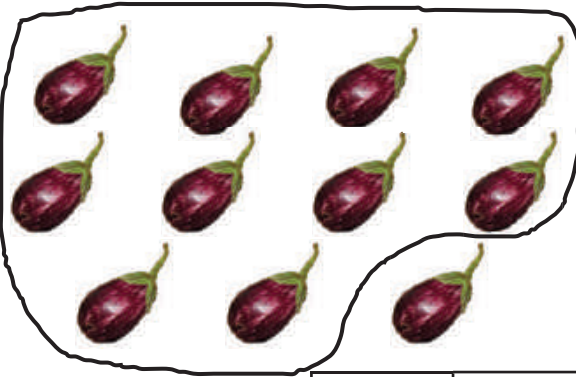
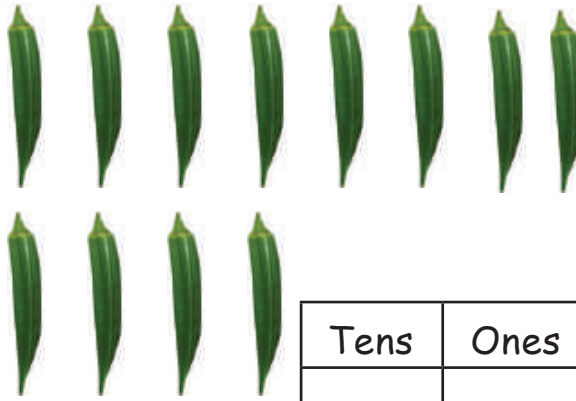
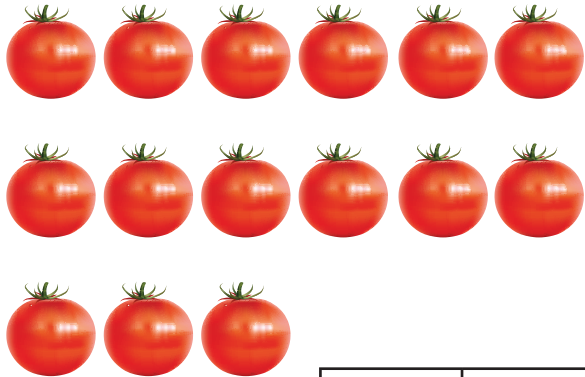
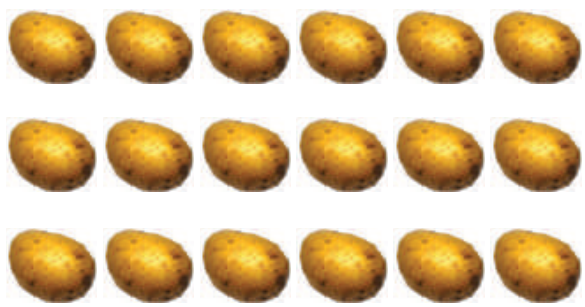


Practice

Write the numbers.

11	12	13	14	15	16	17	18	19	20
11	12	13	14	15	16	17	18	19	20

Group ten objects. Write tens and ones.

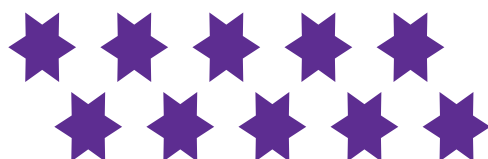
 <table border="1"> <tr> <th>Tens</th><th>Ones</th></tr> <tr> <td>1</td><td>0</td></tr> </table>	Tens	Ones	1	0	 <table border="1"> <tr> <th>Tens</th><th>Ones</th></tr> <tr> <td></td><td></td></tr> </table>	Tens	Ones		
Tens	Ones								
1	0								
Tens	Ones								
 <table border="1"> <tr> <th>Tens</th><th>Ones</th></tr> <tr> <td></td><td></td></tr> </table>	Tens	Ones			 <table border="1"> <tr> <th>Tens</th><th>Ones</th></tr> <tr> <td></td><td></td></tr> </table>	Tens	Ones		
Tens	Ones								
Tens	Ones								

Pleasure time



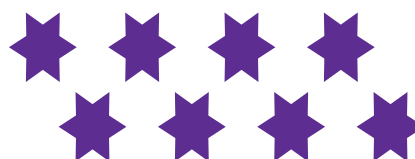
Draw the objects, for the given tens and ones.
Write the number. One is done for you.

1. Draw stars



1 Ten

18



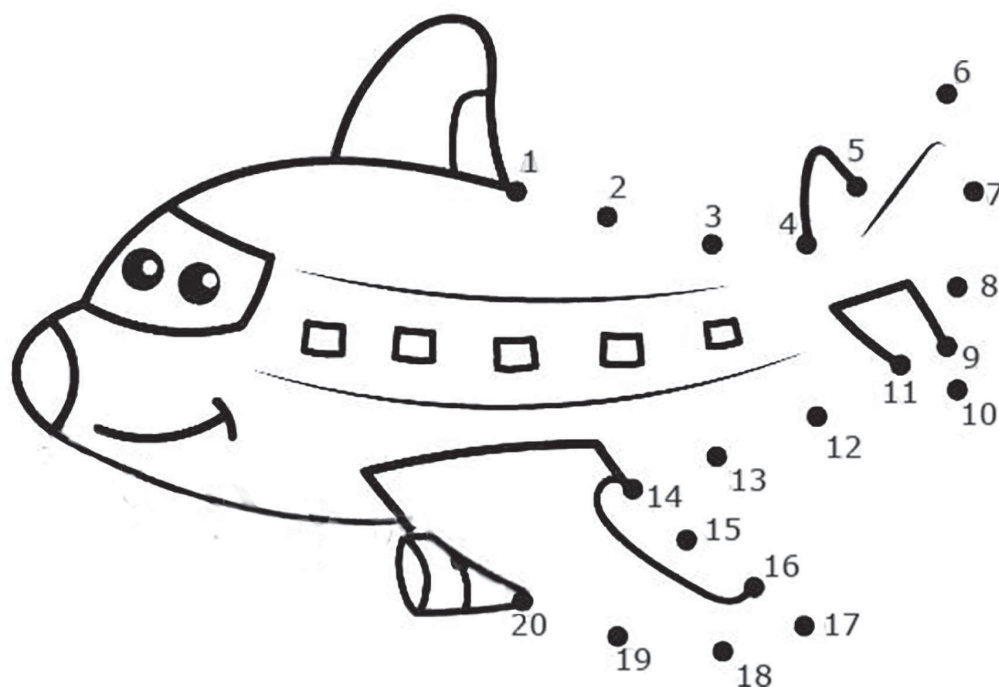
8 Ones

2. Draw eggs

1 Ten

2 Ones

Join the numbers in order, complete the picture and colour it.





Learn

Number Line

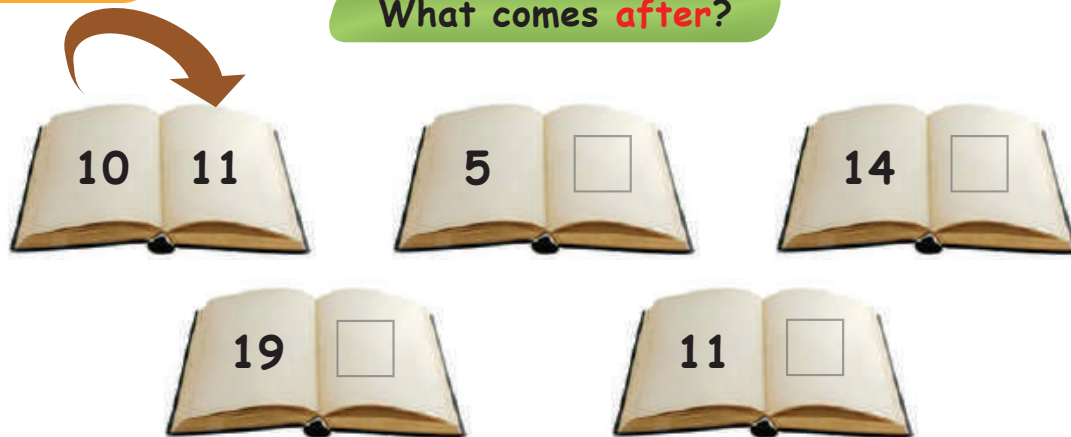


Teacher's Note

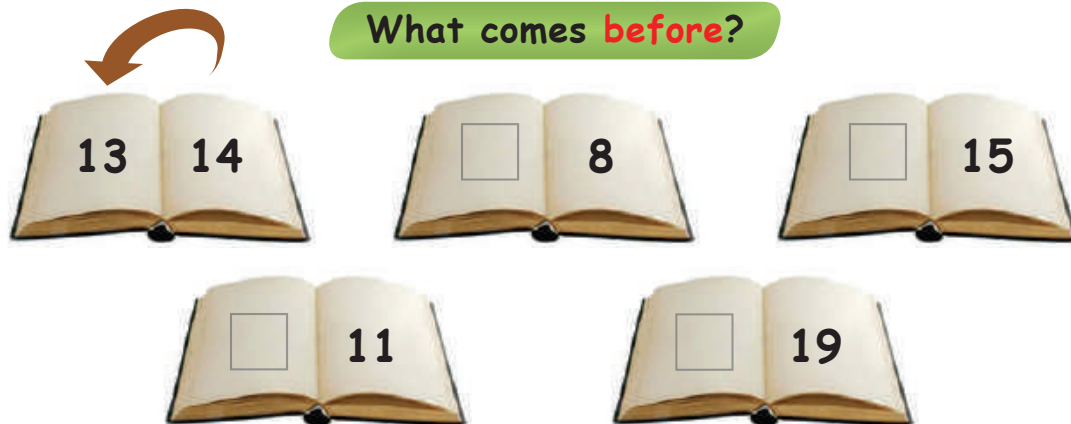
Teacher can use the Number line to enhance the concepts of **Before number**, **After number** and **Between number**.

Practice

What comes **after**?



What comes **before**?



Write the number that comes in **between** the given numbers.



Practice



Comparing the numbers

Count and write the number in the box.
Tick (✓) the group with **more** animals.







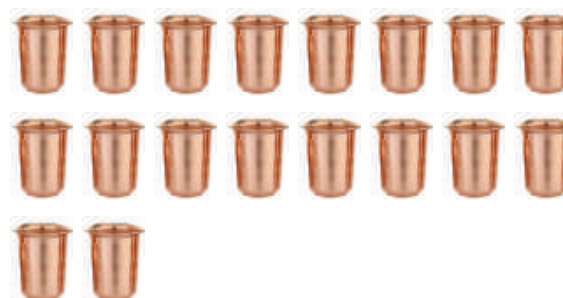


Count and write the number in the box.
Tick (✓) the group with **less** objects.





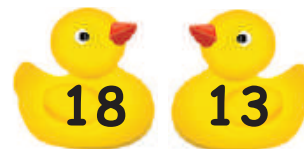
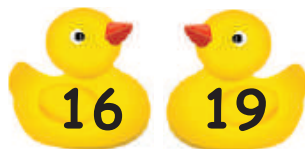
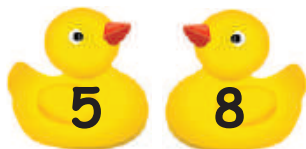




Practice

Bigger number and Smaller number

Circle the **bigger** number in each pair of birds.

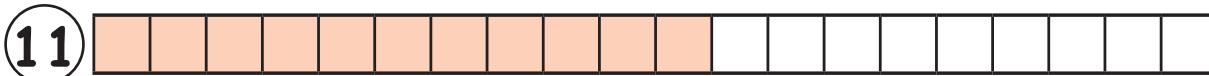


Circle the **smaller** number in each pair of birds.



Try this

Shade the boxes for the given number.
Circle the **bigger** number.

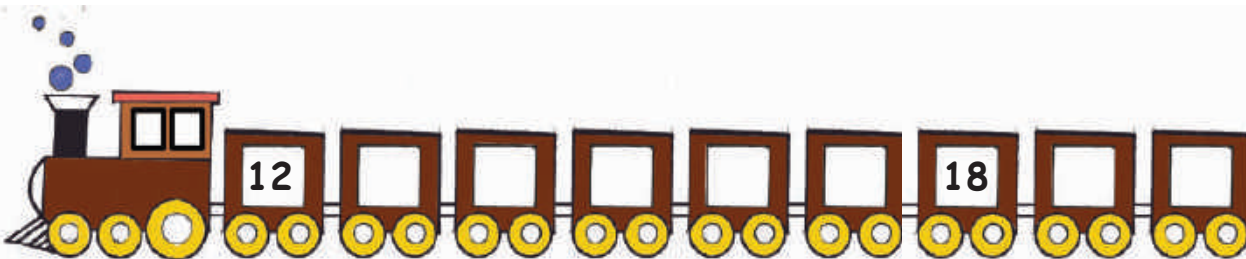
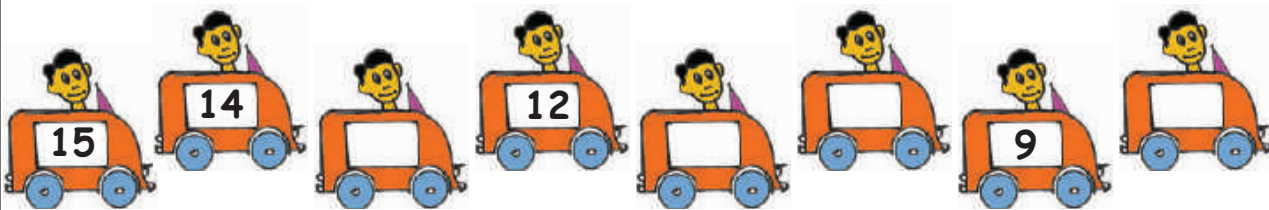
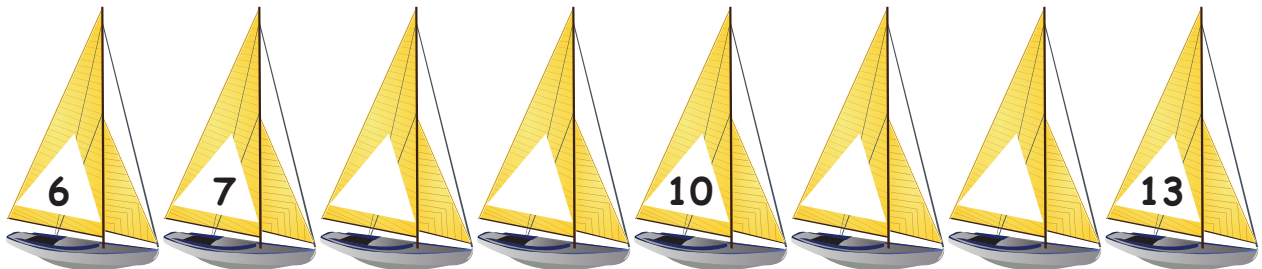




Pleasure time



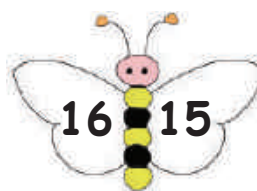
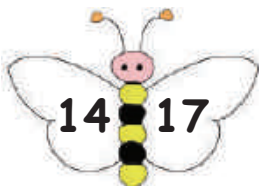
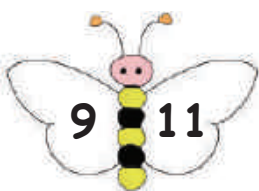
Write the missing numbers in the sequence.



Write the missing numbers.



Colour the wings of each butterfly such that **bigger** number is ■ and **smaller** number is ■.



2.3 Addition

Recall

Addition upto 9



Number of children playing on the see-saw = _____

Number of children playing slide = _____

Total = _____

Teacher's Note

Teacher may ask more addition related questions based on the picture given above to recall the addition of numbers upto 9.

Add

5	3	2
+ 1	+ 3	+ 7
<input type="text"/>	<input type="text"/>	<input type="text"/>

2 + 3 =	<input type="text"/>
1 + 6 =	<input type="text"/>
4 + 5 =	<input type="text"/>

Learn



Addition with zero



0 toy

+



3 toys

=



3 toys

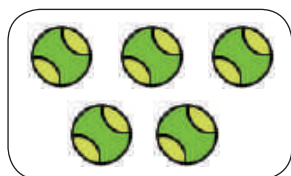
$$0 + 3 = 3$$

Know more

Zero added with any number gives the same number.

Practice

Draw and add



+



0

=



$1 + 0 = \boxed{}$

$4 + 0 = \boxed{4}$

$0 + 2 = \boxed{2}$

$5 + 0 = \boxed{}$

$0 + 3 = \boxed{}$

$0 + 6 = \boxed{}$

7	0	9
+ 0	+ 8	+ 0
_____	_____	_____
_____	_____	_____

Game

Teacher may arrange the paper cups on the table as shown in the picture. Give two chances for each student to hit the arranged cups from a particular distance using a ball. Note the number of cups hit by him/her in each chance. Finally ask them to count the total cups hit by them.

Number of cups hit on the first chance

=

Number of cups hit on the Second chance

=

Number of cups hit in both the chances together

=





Add, Total, Together,
Altogether, More





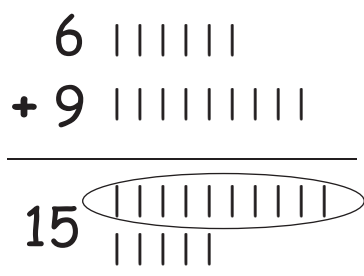
Learn



Addition

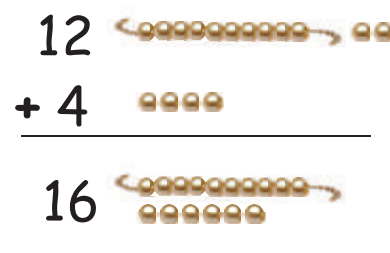
Using lines

$$6 + 9 = ?$$

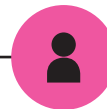


Using beads

$$12 + 4 = ?$$



Practice



Add

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

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

$$\begin{array}{r} 15 \\ + 0 \\ \hline \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 19 \\ + 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 7 \\ \hline \\ \hline \end{array}$$

$$6 + 7 = \boxed{}$$

$$3 + 9 = \boxed{}$$

$$4 + 13 = \boxed{}$$

$$11 + 0 = \boxed{}$$

$$16 + 4 = \boxed{}$$

$$17 + 1 = \boxed{}$$



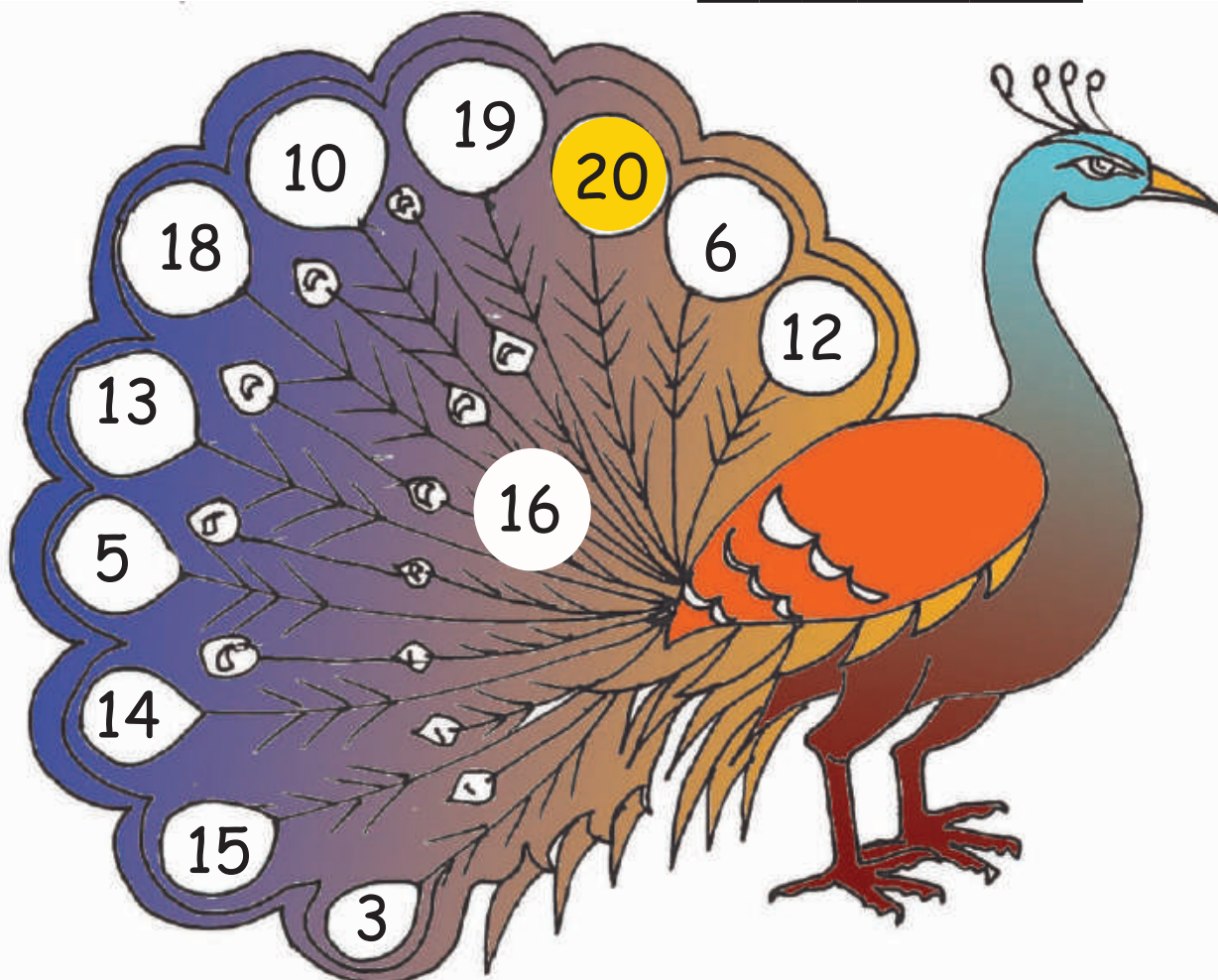
Pleasure time



Find the total of the two numbers given in the table. Colour the peacock with the colours indicated against the total.

Add	Total	Colour
2 + 1		Blue
5 + 0		Red
3 + 3		Orange
9 + 1		Light Blue
6 + 6		Dark Blue
2 + 11		Gold

Add	Total	Colour
9 + 5		Red
11 + 4		Green
10 + 6		Dark Grey
13 + 5		Blue
16 + 3		Dark Red
7 + 13	20	Yellow





Think like a Mathematician



Match the pairs which make the sum 12?

6	5	11	3	10	4	12
1	6	2	0	8	9	7

A line connects the number 3 in the top row to the number 9 in the bottom row.

Match the pairs which make the sum 20?

4	2	17	5	19	7	14
16	1	18	3	6	15	13

A line connects the number 19 in the top row to the number 1 in the bottom row.

Mental math

Addition



- Arasi has 9 pencils, Kamala has 8 pencils. How many pencils do they have **altogether**?
- Mary plucked 7 mangoes, Agalya plucked 6 mangoes. They put the mangoes **together** in a basket. How many mangoes are there in the basket now?
- Chezhiyan is 12 years old. His sister age is 3 years **more** than him. How old is Chezhiyan's sister?
- Samirah has 8 crayons. She buys 4 more crayons. How many crayons does Samirah have **totally**?