



Unit 2 Numbers

2.1 Numbers from 1 to 9

Keywords

Numbers

Count

More / Less

Order



Travel through



One little kitten is sitting in the garden;



Two pretty birds are flying over there;



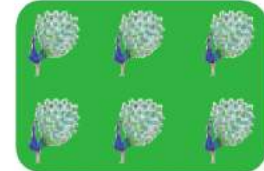
Three clever monkeys are jumping on the tree;



Four dotted deer are making them glad;



Five dark clouds are joining over the sky;



Six pretty peacocks are dancing side by side;



Seven coloured rainbow is bowing its head;



Eight legged spider is knitting its web;



Nine cute rabbits are watching all these.



Teacher's note

Teacher should make the children to sing after her with action and to count the numbers from 1 to 9 spontaneously.





Matching one to one

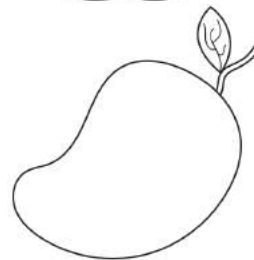
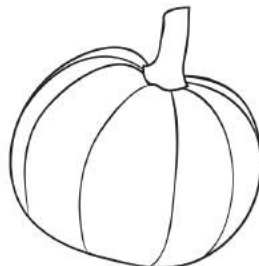
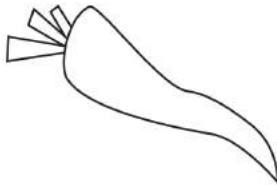
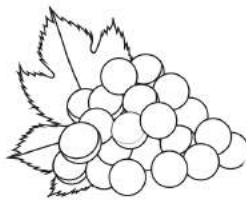
Learn



Practice



Observe the above pictures and colour the following.

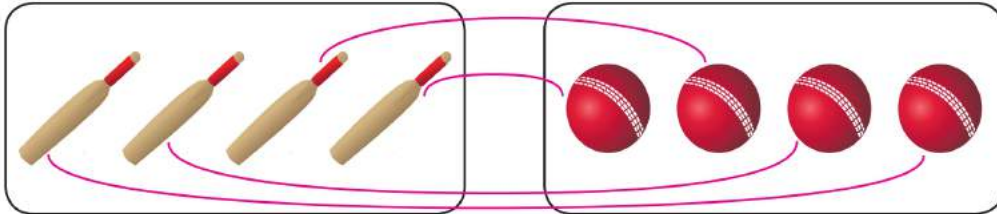




Learn



Connect the objects one to one



Practice

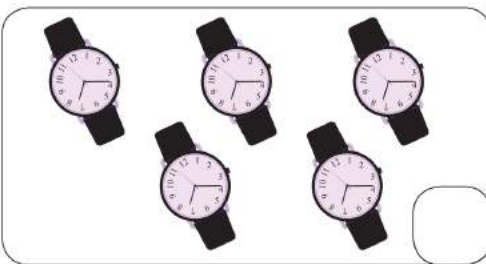


More or Less

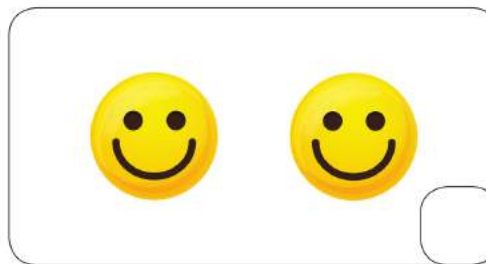
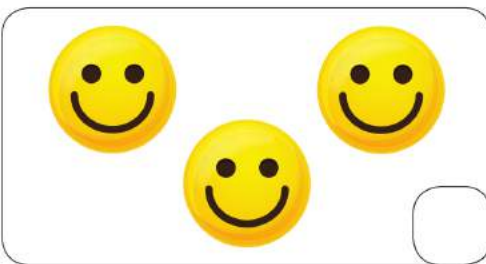
Practice



Tick (✓) the box that has **more** watches.



Tick (✓) the box that has **less** smileys.





Practice



Connect the parrots one to one and match them.

The exercise consists of 10 boxes arranged in two columns and five rows. Each box contains a certain number of green parrots. Two boxes at the top have pink lines connecting them to two boxes on the right.

Box	Number of Parrots
Top Left	2
Top Right	5
Second Row Left	1
Second Row Right	2
Third Row Left	3
Third Row Right	1
Fourth Row Left	5
Fourth Row Right	4
Fifth Row Left	4
Fifth Row Right	3








Number 1

Learn



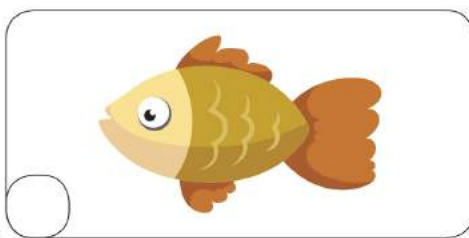
Let us learn numbers from 1 to 9 in different ways.

			
One bus	One bead	One finger	One

Practice



Count and write



Activity



How many tails do animals have?








Number 2





Learn



			2
Two fishes	Two beads	Two fingers	Two

Practice



Try this



Shade the stars that are numbered 2 and say the pattern in it.



List out the organs in our body that are 2 in number.





Number 3





Learn



			3
Three umbrellas	Three beads	Three fingers	Three

Practice



Look at the picture. Count that are three in numbers and circle them.



Know more

A few other names used to denote 3
triple, thrice.









Number 4





Learn



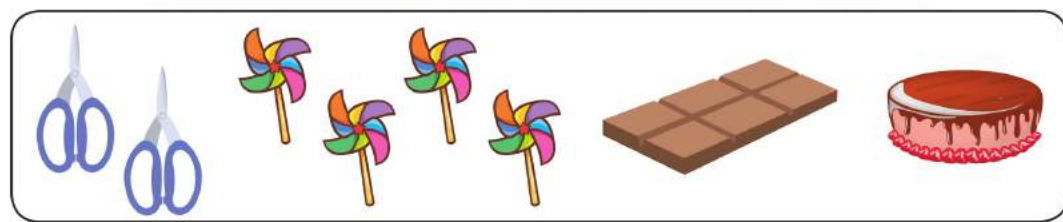
			
Four flowers	Four beads	Four fingers	Four

Practice



Look at the picture. Count the objects that are four in number and circle them.



Know more



There are 4 directions
north, east, west, south.








Number 5





Learn



			5
Five chicks	Five beads	Five fingers	Five

Practice



Colour any five pots.



How did you choose them?

Know more



The five sense organs in our body
eyes, nose, tongue, ears, skin.

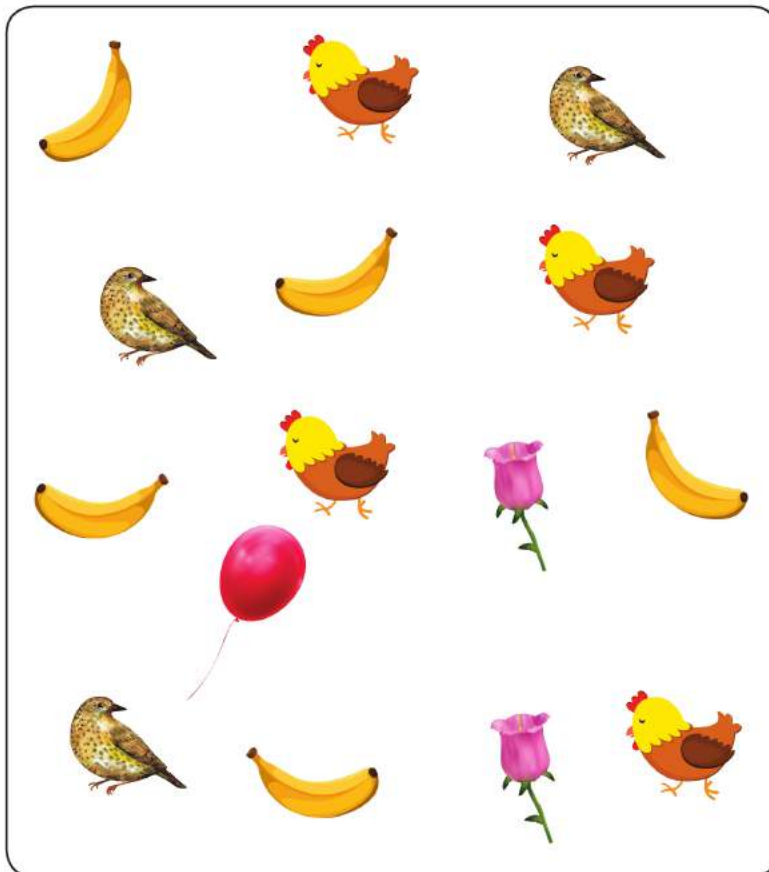









Practice



Look at the picture. Observe how many times each object is present. Write its count in the blank against the object.



Activity



Keep some beads on the table. Ask the students to pick up the number of beads as instructed by the teacher and assess their counting.



Teacher's note

Use only numbers from 1 to 5.



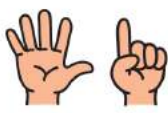




Number 6





Learn



			6
Six boats	Six beads	Six fingers	Six

Practice



Activity



Make the star with sticks similar to the picture given.
How many sticks you need?



Try this



Underline the six lettered words.

parrot
colour

boat
sharpener

finger
bead

teacher
eraser



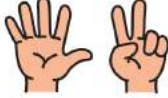

pencil
banana



Number 7





Learn



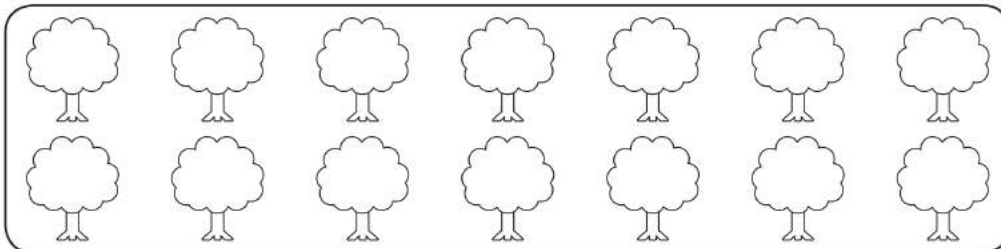
			
Seven birds	Seven beads	Seven fingers	Seven

Practice



Colour any seven trees.



How did you select these ?

Activity



How many colours are there in the rainbow?
Draw your own.


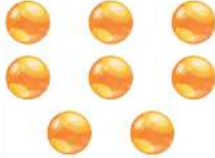
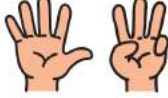




Number 8





Learn



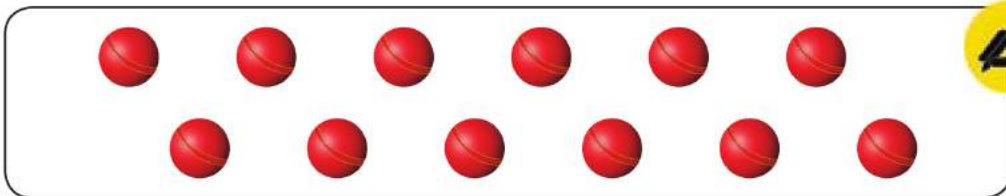
			8
Eight starfishes	Eight beads	Eight fingers	Eight

Practice



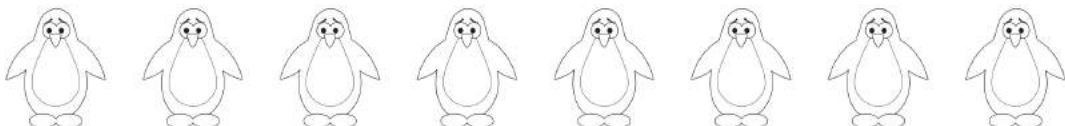
Circle a group of eight balls. Is there any other way of selection?



Activity



Shade all the penguins with black colour.



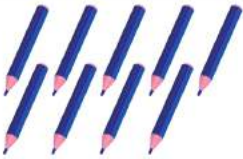
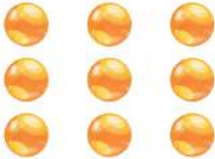

How many penguins did you shade?



Number 9





Learn



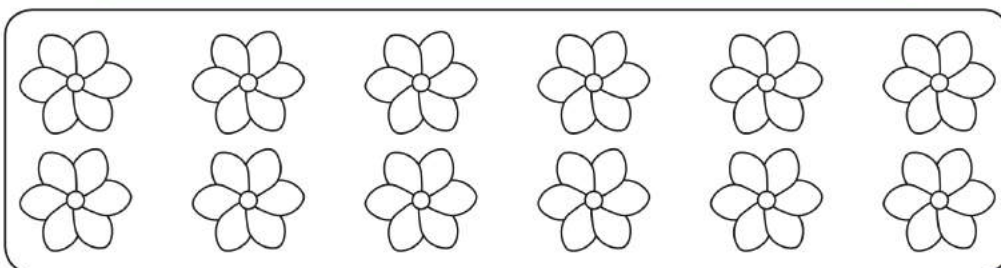
			9
Nine pencils	Nine beads	Nine fingers	Nine

Practice



Colour any nine flowers.
Suggest one more way of colouring.



Draw the tail to the kites with number nine.

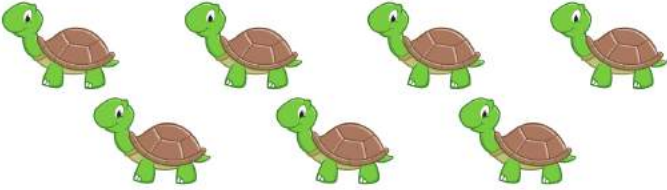



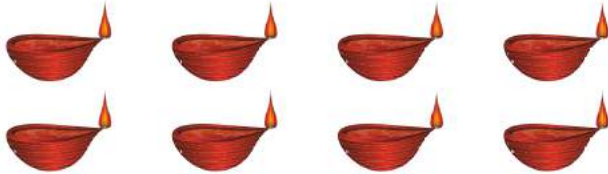






Pleasure time



Count the pictures and circle their correct number.

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





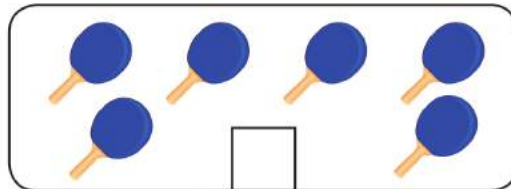
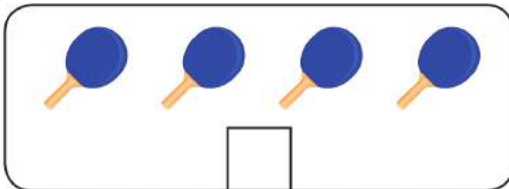
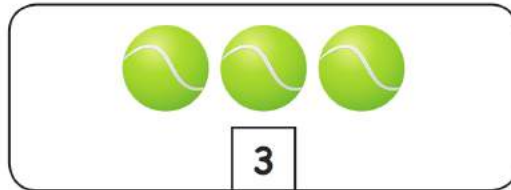
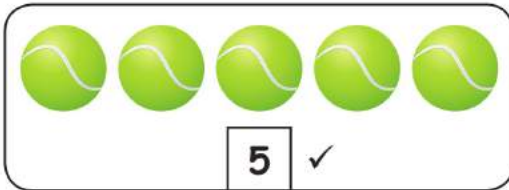
Comparison

Bigger Number - Smaller Number

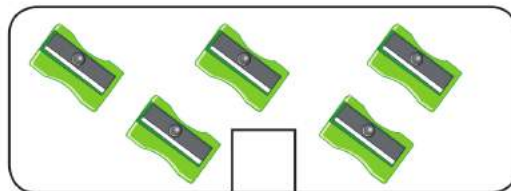
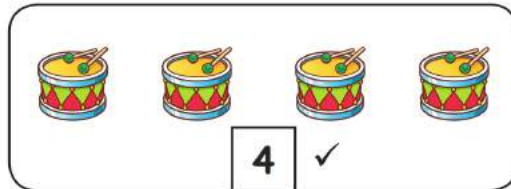
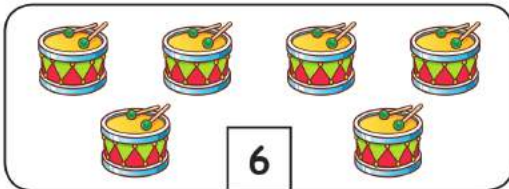
Practice



Write the Count in and Tick (✓) the bigger number



Write the Count in and Tick (✓) the smaller number



Pleasure time



- Circle the Bigger number:
a) 7 , ⑧ b) 5 , 6 c) 9 , 4 d) 1 , 3
- Circle the Smaller number:
a) ① , 5 b) 6 , 4 c) 8 , 3 d) 7 , 9



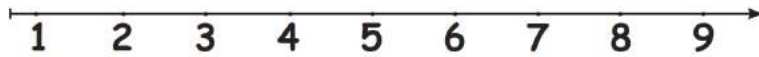


Forward - Backward

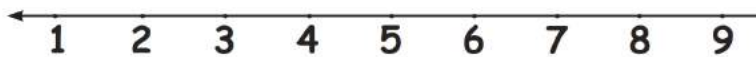
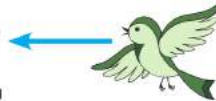
Learn



Forward



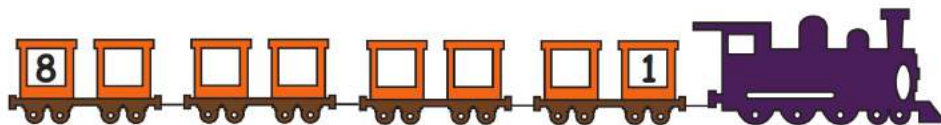
Backward



Try this



Fill in the missing numbers in the given trains.



How are the numbers arranged in the two trains from the engine?

Practice



After

5 

1 

7 

Before

6 

Between

5  

1  

7  



Ordinal numbers



Travel through



Look at the Fruit Babies on the stage



Oral Questions:

1. Name the fruit-baby standing in first position.
2.  is standing in the _____ position.
3. Name the fruit-baby standing in the 7th position.
4.  is standing in the _____ position.
5. Which fruit-baby do you like the most? Why?

Practice



3rd:



8th:



6th:



7th:

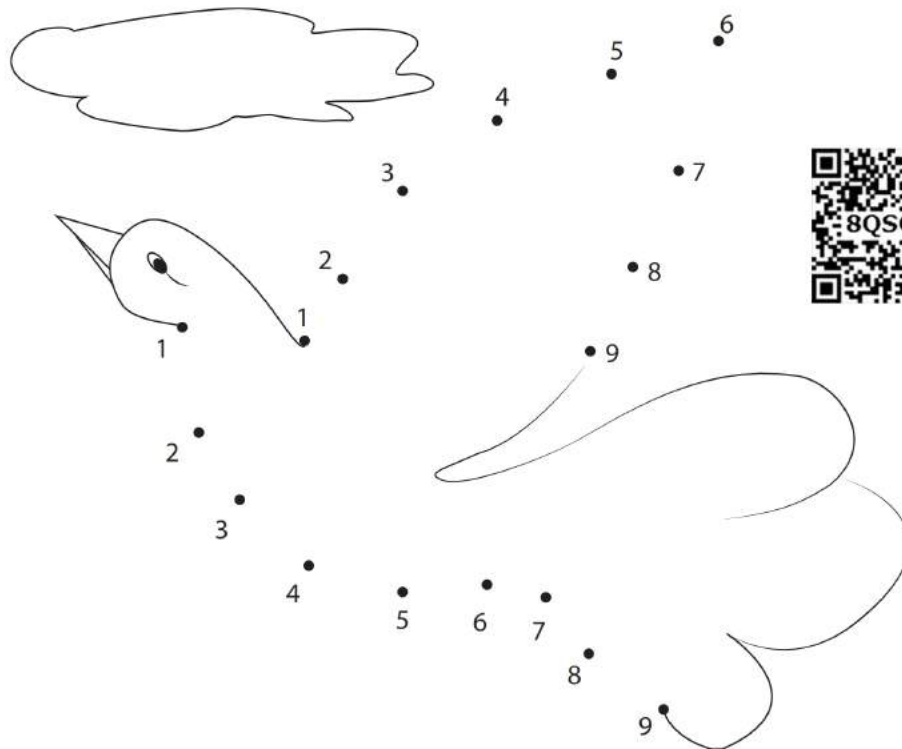


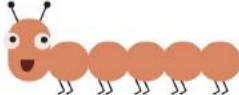


Pleasure time



1. Join the dots in order and colour the picture.



2. Form the picture like  using bindhis.

4 bindhis 

3 bindhis 


5 bindhis 

9 bindhis 

7 bindhis 



3. Frame the numbers 1 to 9 by using match sticks.

The number 2 can be framed as . Try other numbers.

4. Colour the boxes with nine different colours.

Postion	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
Colours									

Colour the boxes with the specified position.

9th 2nd 8th 1st 4th

Slide and Ladder

Game



Objective:

1. To be familiar with numbers from 1 to 6.
2. To inculcate moral values.

Materials required: A dice, different coloured buttons.

Method:

1. Students can play alone or in a group of two or more.
2. Each player should throw the dice and move their button in the game chart from their starting point.
3. Throwing the dice should be done in rotation.
4. Whenever they reach the bottom of the ladder, they should climb up and when they reach the head of the slide, they should come down to the bottom of the slide.
5. The player who reaches the end will be the winner.





2.2 Addition



Keywords

Add
Total
Altogether
More



Travel through



Teacher's note

Teacher can extend the story up to number 9.





Combine together

Learn



Addition means combining or putting things together.








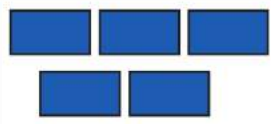

+ is the sign for addition.

	and		makes	
	+		=	

Practice



Count and Draw together









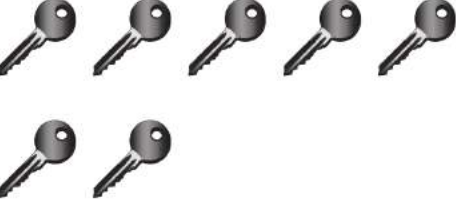






 (3)	+	 (1)	=	 (4)
 (4)	○	 (1)	=	○
 ○	○	 ○	=	○



Practice



Add and write

		
(5)	+	(2) = (7)
		
○	+	○ = ○
		
○	+	○ = ○
		
○	+	○ = ○
		
○	+	○ = ○

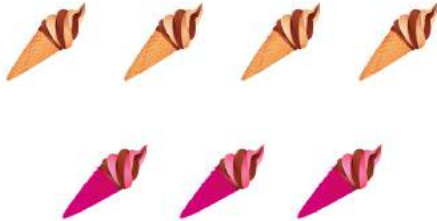




Practice

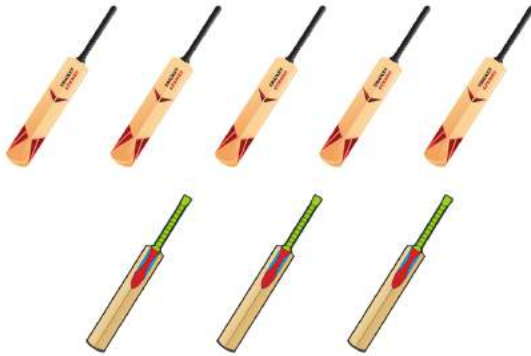


Write addition facts



$$4 + 3 = 7$$

$$3 + 4 = 7$$



Think like a mathematician



Addition facts of 3
 $2 + 1$ and $1 + 2$

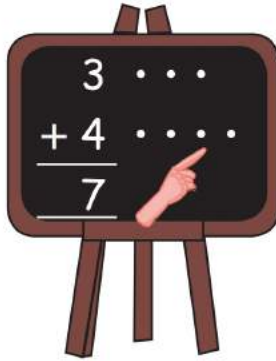
Find all addition facts of 5.
Find all addition facts of 6.



Learn



Addition using beads



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



Practice



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





Learn



Addition using fingers



$$3 + 5$$



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

8



Practice



$$2 + 3 = \boxed{5}$$

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

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

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

$$5 + 1 = \boxed{}$$

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

$$2 + 7 = \boxed{}$$

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



Pleasure time



Add and tick (✓) the correct answer.

$2 + 3$	3	5	6
$1 + 5$	4	1	6
$3 + 4$	3	7	4
$7 + 2$	9	1	7
$4 + 4$	7	4	8
$6 + 3$	6	9	3

Colour two numbers which make 8.

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

Colour two numbers which make 9 in different ways.



4	1	5	3	8
3	4	6	2	7



Try this

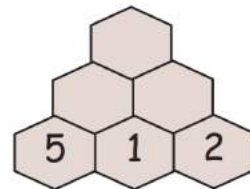
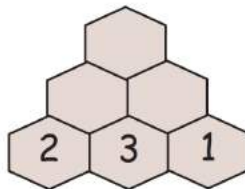
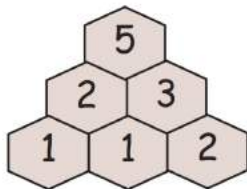


Circle the numbers which give a sum of 9.

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

Mind math

Look at the first one and do the rest.



Mind math (To be done orally).



1. Akilan has 4 pencils. Mukilan gives him 2 more. How many pencils does he have **totally**?
2. There are 5 flowers in a plant and 3 flowers are there in another plant. How many flowers are there **altogether**?
3. Ruby's father gave her 6 chocolates and her mother gave 2 chocolates for her birthday. **Totally** how many chocolates does Ruby have in her hand?



Think like a mathematician



1. Pick a pair from the above numbers. Write addition fact for it.

2. Pick another pair of numbers. Write addition fact for it.

3. Keep doing it. How many different answers will you get?



2.3 Subtraction

Travel through

Keywords

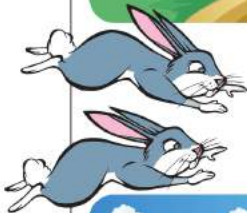
Take away

Left

Subtract

Difference

Less



Teacher's note

Teacher narrates the above pictures for enhancing the vocabularies such as **difference**, **less**, **move away**, **go away** to denote subtraction.





Take away

Learn

Subtraction means to 'take away'.



From

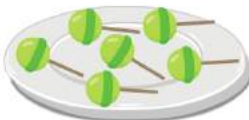


take away

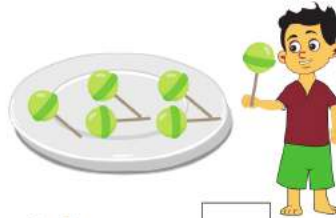


left

Practice



From



take away



left



From



Move away



left



From



go away



left



From



fly away



left





Subtract

Learn



' - ' is the sign of subtraction.



5

-



2

=



3

Practice



-



=



-



=



-



=



-



=





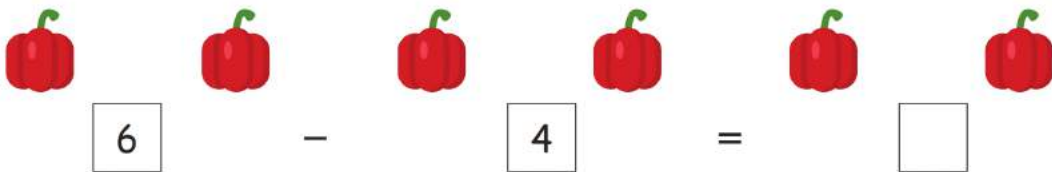
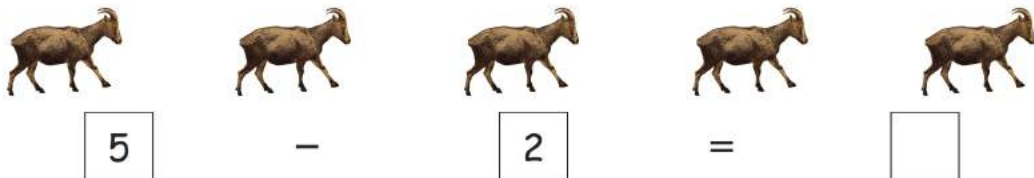
Learn



Complete the subtraction fact by circling.



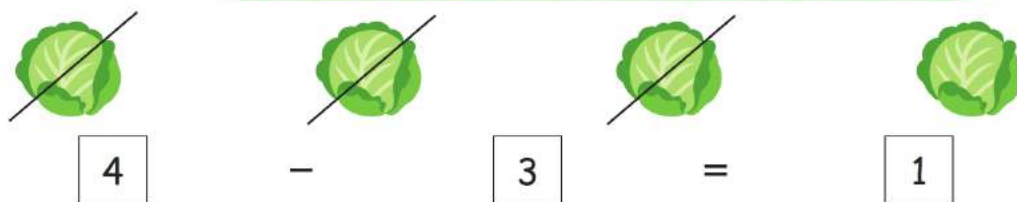
Practice



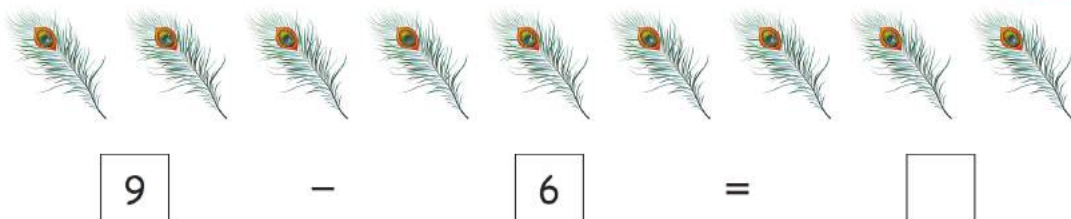
Learn



Complete the subtraction fact by striking.




Practice



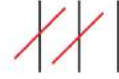


Subtraction using lines

Learn

$$\begin{array}{|c|} \hline 3 \\ \hline \end{array} - 2 = \boxed{1}$$


$$\begin{array}{r} 3 \\ - 2 \\ \hline 1 \end{array}$$




Practice

$\begin{array}{r} 6 \\ - 1 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline \\ \hline \end{array}$
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Subtraction using beads

Learn

$$5 - 1 = \boxed{4}$$


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



Practice

$\begin{array}{r} 6 \\ - 1 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline \\ \hline \end{array}$
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Try this

Create your own subtraction fact

$$\boxed{} - \boxed{} = \boxed{}$$

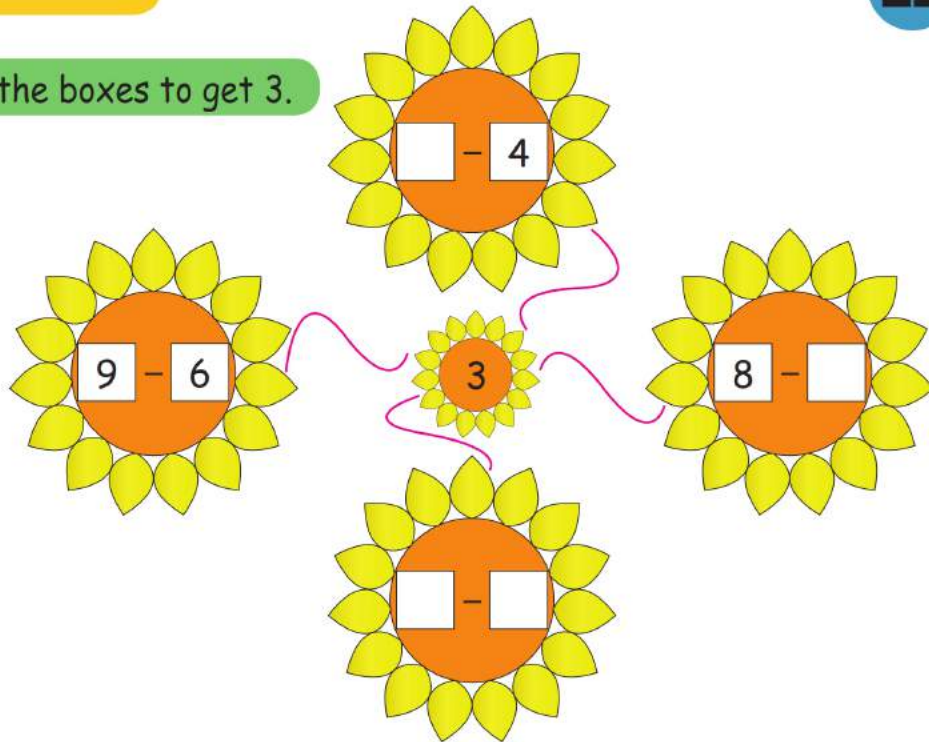




Mind math



Fill in the boxes to get 3.



Mind math (Oral)



1. Pari bought 7 bananas. His brother ate 2 of them. How many bananas are left with Pari?
2. Mani bought 6 eggs. 3 of them were broken. How many eggs are left?
3. Thendral is 8 years old. Her sister Nila is 2 years younger than her. How old is Nila?

Think like a mathematician



How can I fill these boxes using the numbers 8, 5, 3?

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





Pleasure time



Fill in the circle by $+$ or $-$



$$\boxed{3} \quad \boxed{+} \quad \boxed{2} \quad = \quad \boxed{5}$$

$$\boxed{4} \quad \boxed{} \quad \boxed{2} \quad = \quad \boxed{2}$$

$$\boxed{8} \quad \boxed{} \quad \boxed{3} \quad = \quad \boxed{5}$$

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

$$\boxed{9} \quad \boxed{} \quad \boxed{2} \quad = \quad \boxed{7}$$

$$\boxed{2} \quad \boxed{} \quad \boxed{6} \quad = \quad \boxed{8}$$

Try this



I am more than 5 and less than 8. I am not 7. Who am I?

Activity



Aim: Creating subtraction stories.

Things needed: Flash card with subtraction facts like

$$5 - 2$$

$$4 - 1$$

$$7 - 3$$

$$9 - 4$$

Procedure:

1. Divide the class into two groups.
2. Let the students from one group pick up the card from the deck and show it to the other group.
3. Students from that group have to make a subtraction story for that card.
4. This activity can be interchanged between the groups and continued.

Teacher's note

Teacher can encourage the children to tell stories on addition and subtraction on their own. This encourages mathematical communication in the classroom.





2.4 Zero

Travel through



I am the Hero My name is Zero

Three bits of paper lying on the floor,
pick one up, put it in the bin;
Look at the floor now, two are left.

Two bits of paper lying on the floor,
pick one up, put it in the bin;
Look at the floor now, one is left.

One bit of paper lying on the floor,
pick it up, put it in the bin;
Look at the floor now, there is no paper left.

Learn



2 parrots
in the cage.



1 parrot
in the cage.



0 parrot
in the cage.

0 is also a number.

Teacher's note

Teacher can use the spindle board of SLM kit for enhancing the concept of Zero.





Practice



Pleasure time



1. Count and write the number of butterflies.

3			

2. Count and write the number of pencils.

3. Count and write the number of tomatoes.
