HICON SERIES

CLASS 1 LESSON 4

MATHEMATICS
SUBTRACTION UPTO 20

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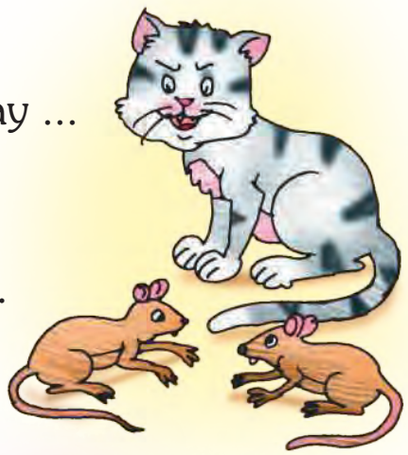
LESSON
PART 1

4 SUBTRACTION UPTO 20

READY ... STEADY

Recite this poem.

A cat that was fat,
Liked to subtract,
Liked making small things go away ...



One day she spied mice,
She treated them nice,
3 of them joined cat to play ...

But then 1 was gone,
And fat cat played on,
Playing with 2 little mice,

Until there was 1,
And cat wasn't done,
Playing with the cat,
The mouse had a price ...

Then there were none,
What had cat done ?
She'd eaten the last little mouse ...

Nope !
Fat lazy cat,
Hadn't done that,
She have brought them to play at her house.... .

‘Subtraction’ means ‘to take away’.

‘ – ’ sign is used for subtraction. The symbol ‘ – ’ is read as MINUS.

The number left over when you take away certain number from a group of numbers is called the *difference*.

 minus  is equal to three

$4 - 1 = 3$

When we subtract 1 from 4, we get 3 as the difference.

We write this as $4 - 1 = 3$.

We read this as : 4 minus 1 equals 3.

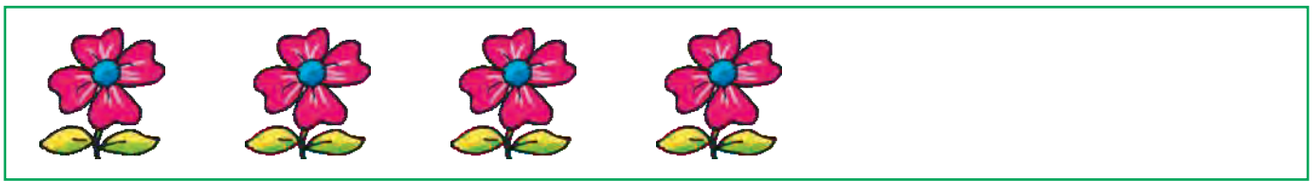
Count and write how many are there after subtraction.

☐ – ☐ = ☐

☐ – ☐ = ☐

☐ – ☐ = ☐

Subtract by crossing out.



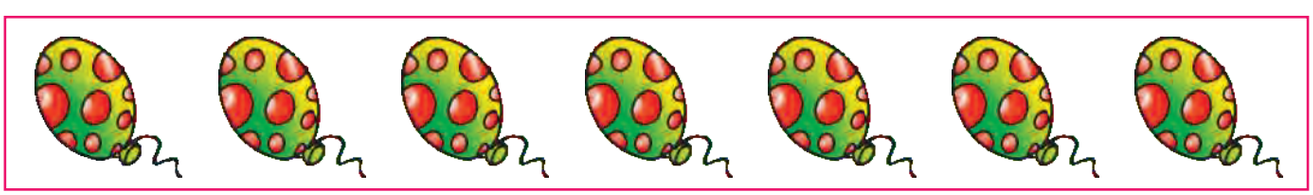
4 – 1 = ☐

9 – 4 = ☐

6 – 2 = ☐

8 – 3 = ☐

10 – 7 = ☐



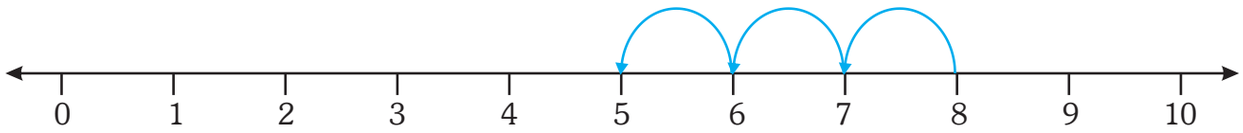
7 – 2 = ☐

SUBTRACTION ON THE NUMBER LINE

Subtract 3 from 8 on the number line.

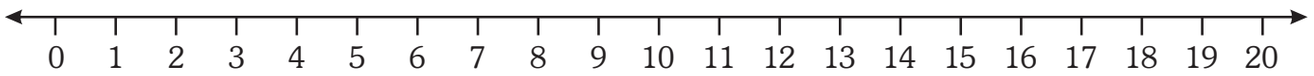
Step 1 : Start at 8.

Step 2 : Count backwards 3 times. We reach 5.

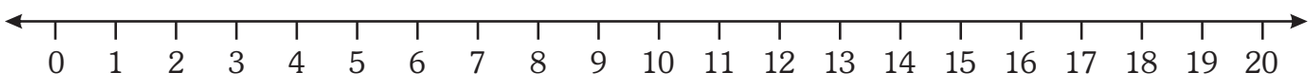


$8 - 3 = 5$

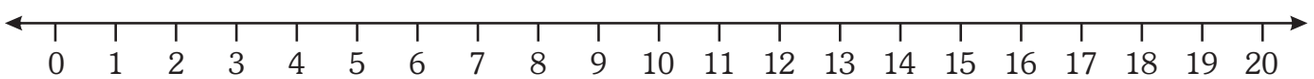
Subtract on the number line.



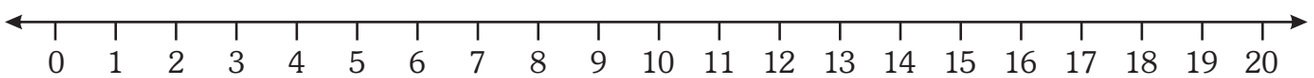
$14 - 5 =$ ☐



$16 - 8 =$ ☐



$19 - 11 =$ ☐



$18 - 5 =$ ☐

SUBTRACTION FACTS

Subtracting one

Subtracting one from a number, gives the number immediately before it.

$9 - 1 = 8$

$7 - 1 = 6$

$6 - 1 = 5$

Subtracting zero

$5 - 0 = 5$

$8 - 0 = 8$

$9 - 0 = 9$

Subtracting zero from a number, gives the same number.

Subtracting the number itself

If a number is subtracted from itself, the answer is zero.

$6 - 6 = 0$

$7 - 7 = 0$

$2 - 2 = 0$

Subtract the following.

$5 - 1 =$ ☐	$8 - 8 =$ ☐	$4 - 0 =$ ☐
$3 - 0 =$ ☐	$4 - 1 =$ ☐	$4 - 4 =$ ☐
$7 - 0 =$ ☐	$3 - 1 =$ ☐	$9 - 9 =$ ☐

HORIZONTAL SUBTRACTION

Numbers can be arranged horizontally and subtracted. It is called *horizontal subtraction*.

5 – 2 = 3

Subtract the following numbers.

2 – 1 = ☐	4 – 1 = ☐	8 – 6 = ☐
6 – 2 = ☐	7 – 2 = ☐	5 – 4 = ☐
9 – 4 = ☐	3 – 2 = ☐	6 – 5 = ☐
7 – 3 = ☐	9 – 5 = ☐	4 – 3 = ☐
8 – 5 = ☐	5 – 3 = ☐	7 – 7 = ☐
7 – 1 = ☐	8 – 4 = ☐	6 – 3 = ☐
7 – 6 = ☐	7 – 4 = ☐	8 – 1 = ☐
8 – 7 = ☐	8 – 3 = ☐	9 – 3 = ☐
8 – 2 = ☐	9 – 2 = ☐	9 – 9 = ☐
9 – 8 = ☐	6 – 6 = ☐	5 – 1 = ☐

VERTICAL SUBTRACTION

Numbers can be arranged vertically and subtracted. It is called *vertical subtraction*.

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

$7 - 3 = 4$

We see that the answer is the same for vertical as well as horizontal subtraction.

Subtract the following numbers vertically and write the answers in the blanks.

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

WORD PROBLEMS

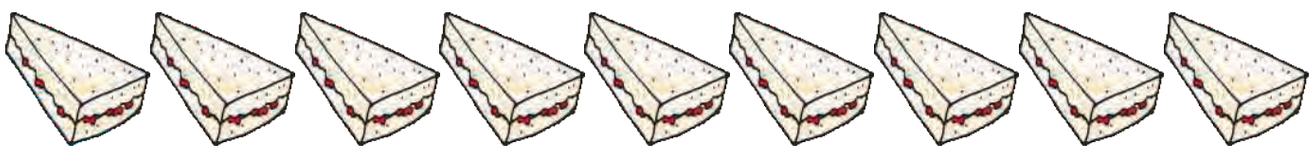
There were 5 pizzas. One has been taken away. How many were left ?

5 – 1 = ☐

Kartik had 8 glasses. 2 glasses were broken. How many were left ?

☐ – ☐ = ☐

Ria and Arun made 9 sandwiches. 4 sandwiches were made by Ria. So, how many were made by Arun ?



☐ – ☐ = ☐

Rinky had 7 teddy bears. She gave 5 teddy bears to her sister. How many teddy bears does Rinky have now ?

☐ – ☐ = ☐

WORKSHEET

Solve the following and find the final answer.