



CLASS IV

SUBJECT- MATHEMATICS

TERM 2 (2020 - 2021)

**TOPIC-MULTIPLES AND FACTORS**

NAME - \_\_\_\_\_ CLASS IV/ SEC \_\_\_\_ DATE -23/11/2020 27/11/2020

Learning outcomes: -

Each child will be able to-

- Apply the concept of multiples in the given situations.
- Observe, explore and apply the concept of common multiples to find the LCM using number lines and listing multiples method.

**Let's Practice:**

Q1. Write the first five multiples of the following numbers:

- a) 11
- b) 7
- c) 25

Q2. Write all the multiples of 12 between 20 and 80.

Q3. Write the 6<sup>th</sup> multiple of 13.

Q4. Write the multiples of 12 less than 84.

Q5. Write the multiples of 15 greater than 60 less than 150.

Q6. Write the first four even multiples of 5.

Q7. Write the first five odd multiples of 9.



## LET'S PRACTICE:

1.



If the number in the above snake is a multiple of 3, colour the circle. If it is a multiple of 6, cross the circle. Now write down the common multiples of 3 and 6.

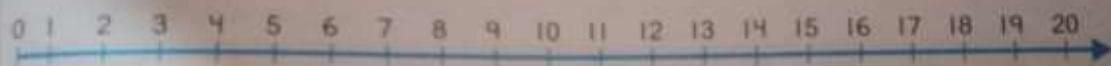
2. Use the number line to find out the common multiples of

(i) 2 and 4



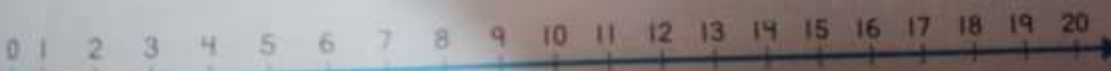
Common multiples of 2 and 4 are \_\_\_\_\_.

(ii) 2 and 5



Common multiples of 2 and 5 are \_\_\_\_\_.

(iii) 2 and 9



Common multiples of 2 and 9 are \_\_\_\_\_.

## LEAST COMMON MULTIPLE ( LCM )

### Example:

Write the first 3 common multiples of 3 and 6 . Also, find the Least Common Multiple ( LCM) of 3 and 6 .

Multiples of 3 = 3 , 6 , 9 , 12 , 15 , 18 , 21 , 24 .....

Multiples of 6 = 6 , 12 , 18 , 24 , 30 , 36 , 42 , 48 .....

First 3 common multiples of 3 and 6 = 6 , 12 , 18

Least Common Multiple of 3 and 6 = 6

Q1. Find the following :

- First 3 common multiples of 3 and 9. Also, find out their LCM.
- First 4 common multiples of 4 and 8. Also, find out their LCM.
- Common multiples of 5 and 10 which are less than 60 .

NOTE:

Use the following links for the better understanding of the concept taught:

<https://youtu.be/ClkDcENjzBA>

<https://youtu.be/3H-c4JKt-gY>