



**MONTH : AUGUST**

**SESSION : 10**

**CLASS : V**

**SUBJECT : MATHEMATICS**

**CHAPTER NUMBER: 8**

**CHAPTER NAME : FACTORS AND MULTIPLES**

**SUB-TOPIC : DOUBT CLEARING AND CLASS TEST**

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**CHANGING YOUR TOMORROW**

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## **LEARNING OBJECTIVE :**

**Enable the students**

- **To Understand the concept of H.C.F. and L.C.M.**
- **To understand the relation between H.C.F. and L.C.M.**

## Class Test

Full marks- 15



### 1. FILL IN THE BLANKS

$$5 \times 1 = 5$$

- a. \_\_\_\_\_ is the only prime number which is even.
- b. A number is divisible by \_\_\_\_\_ if it's one's digit carries 0 or 5.
- c. A number which has more than 2 factors is called a \_\_\_\_\_ number.
- d. \_\_\_\_\_ is a factor of every number.
- e. The 9<sup>th</sup> multiple of 18 is \_\_\_\_\_.



**Class Test**

**Full marks- 15**



**2. Do as directed**

**$3 \times 2 = 6$**

- a. Find the L.C.M.  
9 , 27 and 45
- b. Find the H.C.F.  
8 and 64
- c. Find the first 4 multiples of 15.



## Class Test

Full marks- 15



3. Solve

$$2 \times 2 = 4$$

- a. Find the greatest number which divides 603 and 1608 exactly.
- b. The H.C.F of two numbers is 9 and their product is 2268. Find the L.C.M.





ANSWER

## Class Test

Full marks- 15



### 1. FILL IN THE BLANKS

$$5 \times 1 = 5$$

- a. 2 is the only prime number which is even.
- b. A number is divisible by 5 if it's one's digit carries 0 or 5.
- c. A number which has more than 2 factors is called a composite number.
- d. 1 is a factor of every number.
- e. The 9<sup>th</sup> multiple of 18 is 162.



**2. Do as directed** **$3 \times 2 = 6$** **a. Find the L.C.M.****9 , 27 and 45**

<b>3</b>	<b>9</b>	<b>27</b>	<b>45</b>
<b>3</b>	<b>3</b>	<b>9</b>	<b>15</b>
<b>5</b>	<b>1</b>	<b>3</b>	<b>5</b>
<b>3</b>	<b>1</b>	<b>3</b>	<b>1</b>
	<b>1</b>	<b>1</b>	<b>1</b>

**$L.C.M. = 3 \times 3 \times 5 \times 3 = 135$**





**2. Do as directed** **$3 \times 2 = 6$** 

b. Find the H.C.F.  
8 and 64

2	8 , 64
2	4 , 32
2	2 , 16
	1 , 8

$$\text{H.C.F.} = 2 \times 2 \times 2 = 8$$

c. Find the first 4 multiples of 15.

**Ans.** The first 4 multiples of 15 = 15 , 30 , 45 , 60





**3. Solve**

$2 \times 2 = 4$

- a. Find the greatest number which divides 603 and 1608 exactly.

$$\begin{array}{r}
 2 \\
 \hline
 603 \overline{) 1608} \\
 \underline{1206} \quad 1 \\
 402 \\
 \hline
 402 \overline{) 603} \\
 \underline{402} \quad 2 \\
 201 \\
 \hline
 201 \overline{) 402} \\
 \underline{402} \\
 0
 \end{array}$$

**H.C.F. = 201**



**3. Solve** **$2 \times 2 = 4$** 

b. The H.C.F of two numbers is 9 and their product is 2268.  
Find the L.C.M.

**Solution**

L.C.M. of two numbers =  $\frac{\text{Their product}}{\text{Their H.C.F.}}$

$$\text{L.C.M. of two numbers} = \frac{2268}{9} = \boxed{252}$$



## LEARNING OUTCOME :



- Children are able to find H.C.F. and L.C.M. of different numbers.
- They are able to find prime numbers and composite numbers.



**THANKING YOU**  
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