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CLASS- 2

DATE – 07.06 .21

SUB -MATHS

S. T - PRAGYA

BASED ON N.C.E.R.T PATTERN

CH- 6

Factors And multiples

RELATION BETWEEN H.C.F AND L.C.M OF
TWO NUMBERS.

Read , Write and learn FORMULA .

1. L.C.M of two numbers = Product

H. C. F

2. H. C.F of two numbers = Product

L. C. M

3. Other number = L. C.M \times H. C. F

One number

Now , see example and solve these questions.

(According to example) .

Example 1 : The product of two numbers is 864

If their L.C. M is 72 what is their H. C. F .

Solution: product = 864 , L.C.M = 72

$$\begin{aligned} \text{H. C. F} &= \text{product} / \text{L.C. M} \\ &= 864 / 72 = 12 \end{aligned}$$

PRACTICE SHEET (Exercise - 6 D)

1. The H. C. F of two numbers is 12 and their Product is 2160 . Find their L.C.M.
2. The L. C.M of two co – prime number is 221
If one of the number is 17 . Find the other.
(Hints : H. C. F of two co – prime member is 1).
3. The L. C. M of two co prime number is 4875.
If one of the number is 75 .Find the other Number.
4. The H. C.F of two number is 145 and their L. C. M is 2175 . If one of the numbers is 435.
Find the other numbers.
5. For each of the following pairs of numbers ,
Verify the relationship between H. C. F and

L. C. M . (Hints : L. C. M \times H. C. F = product
Of Marks)

A. 64 , 84

B. 48 , 96

C. 27 , 81

D. 15 , 35

E. 117 , 221
