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SUB -MATHS S. T - PRAGYA

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

CH- 6

Factors And multiples

L . C. M by Common Division Method

Example: Find the L. C.M of 6 , 12 , 20 , and 42

Solution :

2	6, 12, 20, 42
2	3, 6, 10, 21
3	3, 3, 5, 21
	1, 1, 5, 7

Thus , L. C. M. of 6 , 12 , 20 , and 42 = 2 × 2 × 3 × 5 × 7 = 420 .

See example carefully and solve the following questions . (According to example) .

PRACTICE SHEET

1. Find the L . C. M of the following numbers.

A. 12 , 15 B. 4 , 10 ,15

C.18 , 20 30 D. 20 ,50

E. 24 , 56 F. 4, 8 16

G. 6 , 9 , 12 H. 24 , 36 , 72

I .9 , 27 J. 15 , 21 , 24

2. Find the H. C. F.

A. 72 and 90

B.40 , 48 , 72

C.16 ,40

D. 18 , 48

E.12 , 18 , 24

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