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Grade 5

Chapter 3

Topic : Relation between L.C.M and H.C. F

Product of numbers is equal to the product of H.C.F and L.C.M

1st no × 2nd no = H.C.F × L.C.M

1)To find H.C.F

H.C.F = (1st no × 2nd no) ÷ L.C. M

2) To find L.C. M

L.C. M = (1st no × 2nd no) ÷ H.C.F

3) To Find any one number

Other No =(H.C.F × L.C.M) ÷ Given Number

Checkpoint 4 pg 66

Q1 Complete ……table

A) a = ? , b= 138 , H.C.F = 46 , L.C.M= 138

Ist no =(H.C.F × L.C.M) ÷ other no

= (46 × 138) ÷ 138

= 6,348 ÷ 138

= 46

C) a = 125 , b= 95 , H.C.F = 5 , L.C.M=?

L.C.M =(1st no × 2nd no) ÷ H.C.F

= (125 × 95) ÷ 5

$= 11,875 \div 5$

$= 2,375$

2) H.C.F = 8 , L.C.M= 448

1st no = 64

2nd no =(H.C.F × L.C.M) ÷ 1st no

$= (8 \times 448) \div 64$

$= 3,584 \div 64$

$= 56$

Homework

Q1 B) a = 56 , b= ? , H.C.F = 8 , L.C.M= 728

D) a = 38 , b= 133 , H.C.F = ?, L.C.M= 266

Also Do make your choice (page 67 and 68) in book .