( FACTORS AND MULTIPLES ] MATHEMATICS   CLASS - V
[FACTORS AND IN
Chapter- 8
Factors and multiples
WORKSHEET
A. Fill in the blanks :
a) 1, 3, 5 and 15 are called <u>Factors</u> of 15.
b) All even numbers are divisible by <u>two</u> .
c) One is a number which is neither prime nor composite.
d) 18 is a multiple of 3 and 6.
e) Numbers that have only two factors, 1 and the number itself, are called prime
numbers.
B. Match the following :
Column – A Column – B
1. Factor of 35 3(i) 1
2. Multiple of 5 5 ii) infinite
3. Factor of every number 2 iii) 50
4. Smallest prime number 1/ iv) 7
5. Factors of a number 4/v) 2
C. Do as directed:
a) Find the H.C.F. of 16, 24 and 85.

solution: HCF of 16, 24, 85 is 85.

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b) Find the L.C.M. of 16, 28 and 32

Solution: 2 | 6, 28, 32 2 8, 14, 16 2 4, 7, 8 2 2, 7, 4 2 1, 7, 2 -1, 7, 2-1, 7, 2

2X2X2X2X2X7=224

c) The H.C.F. of two numbers is 5 and L.C.M. is 60. If one of the numbers is 20, find the other number.

 $\frac{5 \times 60}{20} = 15$  So the other number  $\frac{15}{20}$   $\frac{15}{3}$ 

Solution:

d) Find the greatest number which divides 90 and 405 without leaving a remainder.

Solution: HICF of 90 & 405 = 4: The greatest number which can divide 90% 105 exactly is 45.

e ) Three bells of a temple began ringing at 9 a.m. The first bell rings after every 30 minutes and the second one rings after every 45 minutes and the third one rings after every hour. At what time will they ring together again?

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solution: LCM of 45,60,30=180 mins 180 mins = 3 hours So, They will sing together at every 3 hours.

1 CM= 5x2x3x3x2=180