# Factors and Multiples

## Worksheet-1

**1. Choose the correct option.**

1. LCM ÷ HCF = Product of the numbers. Mark True or False

a) True               b) False

2. The HCF of two numbers is 16 and their LCM is 3040128. If one numbers is 6032, then what is the other number?

a) 8604               b) 8046
c) 8064               d) None of these

3. Find the smallest number which when divided by 4, 8, 12 and 20 leaves no remainder?

a) 210               b) 120
c) 60                d) 45

4. What is the greatest number that will divide 45 and 81 without leaving a remainder?

a) 9                 b) 18
c) 27                d) 54

5. Find the smallest number that is exactly divisible by 450, 650 and 750 leaving no remainder.

a) 22950               b) 29250
c) 29520               d) None of these

6. The HCF of two numbers is 16 and their product is 16128. Find out the LCM of both the numbers?
a) 1006               b) 1008
c) 63                d) None of these

7. Find out the greatest numbers which completely divides 120, 160 and 200.

a) 20                    b) 30
c) 40                    d) 50

8. Find the least number which when divided separately by 135, 150, 165 and 180 leaves 5 as remainder.

a) 29700                 b) 27900
c) 27095                 d) 29705

9. Find the largest number which divides 883 and 1683 leaving remainder 3.

a) 80                    b) 60
c) 40                    d) 20

10. A pen costs 15 rupees, a color box costs 60 rupees and a cricket bat costs 105 rupees. What is the least amount of money which can buy an exact number of either of these items.

a) 240                   b) 204
c) 420                   d) 840

**B] Solve.**

- Write 5 three digits number that are multiples of 4.
- Write 5 three digits number that are multiples of 10.
- Write 5 three digits number that are multiples of 3.
- Write 5 three digits number that are multiples of 7.
- Write 5 three digits number that are multiples of 5.

**C] Determine whether the pairs of numbers given are co-prime numbers**.

- 22,45
- 25,55
- 14,21
- 10,33

- 10,15