

## Least Common Multiple (LCM)

### Multiple choice questions

- 1) Common multiples of 6 and 12 are
  - a) 12, 24, 36
  - b) 12, 18, 30
  - c) 6, 12, 18
  - d) 30, 36, 48
  
- 2) LCM of two coprime numbers  $x$  and  $y$  is
  - a)  $xy$
  - b)  $y - x$
  - c)  $x + y$
  - d)  $x - y$
  
- 3) LCM of two prime numbers  $a$  and  $b$  is
  - a)  $ab$
  - b)  $b - a$
  - c)  $a + b$
  - d)  $a - b$
  
- 4) LCM of 3 and 2 is
  - a) 6
  - b) 3
  - c) 1
  - d) 2
  
- 5) The HCF of two numbers is 2. The LCM of two numbers is 12. If one of the number is 6 then the other number will be
  - a) 6
  - b) 2
  - c) 12
  - d) 4

- 6) The LCM of 4 and 5 is
- a) 4
  - b) 5
  - c) 20
  - d) 1
- 7) The LCM of 3, 4 and 5 is
- a) 60
  - b) 3
  - c) 4
  - d) 5
- 8) If the product of two numbers is 50. HCF of two numbers is 5, the LCM equals to
- a) 10
  - b) 5
  - c) 50
  - d) 1
- 9) HCF of given numbers must divide their LCM
- a) True
  - b) False
  - c) Both
  - d) None of these
- 10) The smallest number which is completely divisible by 24 and 40 is
- a) 60
  - b) 40
  - c) 24
  - d) 120