

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) $\frac{x}{y}$
 - c) $x + y$
 - d) $x - y$

- 3) LCM of two prime numbers a and b is
 - a) ab
 - b) $\frac{a}{b}$
 - 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