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