STANDARD 7TH: CHAPTER 3
HCF and LCM

Q1. Select all correct options

1. If the GCD of two numbers is 1, what can be said about those numbers?
   a. They are even numbers
   b. They are consecutive numbers
   c. They are prime numbers
   d. They are composite numbers

2. What is the GCD of any number and 1?
   a. The number itself
   b. 0
   c. 1
   d. Undefined

3. If the GCD of two numbers is 3 and one of the numbers is 18, what could be the other number?
   a. 12
   b. 6
   c. 9
   d. 15

4. Every positive integer can be expressed as the greatest common divisor (GCD) of two other positive integers.
   a. True
   b. False

5. Sarah has 18 red pencils and 24 blue pencils. She wants to arrange them into equal-sized bundles for her classmates. What is the best arrangement of the number of red pencils and blue pencils?
   a. 2
   b. 3
   c. 6
   d. 12

6. Which of the following statements best describes the Least Common Multiple (LCM)?
    a. The largest number that divides two or more given numbers without leaving a remainder.
    b. The smallest number that is divisible by two or more given numbers without leaving a remainder.
    c. The difference between the two largest numbers in a set of given numbers.
    d. The sum of the two smallest numbers in a set of given numbers.

7. Find the simplest form of $\frac{1995}{2995}$ is _____ using HCF method.

8. If the least common multiple (LCM) of three numbers is 3614, and one of the numbers is 13, then what is the value of other two numbers?
    a. 1, 278
    b. 2, 139
    c. 1, 3614
    d. All the above

9. The LCM of two number is 1251, while HCF is 9. Find the product of two numbers.
    a. 11259
    b. 9
    c. 1251
    d. Non of the above

10. The LCM of two number is 980, while HCF is 10. Find the product of two numbers.
    a. 980
    b. 10
    c. 9800
    d. Non of the above