



**LORD
KRISHNA**

Affiliated to CBSE
**PUBLIC
SCHOOL**
Affiliation No. 530600

Assignment - 2

Class – 6th

Subject : Maths

Chapter 2 - Playing with numbers

Q.1 Which of the following numbers are co- prime?

- a. 18 and 35 b. 216 and 215

Q.2 Which factors are not included in the prime factorization of a composite number?

Q.3 Write the smallest 5 digit number and express it in the form of its prime factors?

Q.4 The product of three consecutive numbers is always divisible by 6. Verify this statement with the help of some examples.

Q.5 I am the smallest number, having four different prime factors. Can you find me?

Q.6 What is the HCF of two consecutive:

- a. numbers b. even numbers c. odd numbers

Q.7 Renu purchases two bags of fertiliser of weights 75kg and 69kg. Find the maximum value of weight which can measure the weight of the fertiliser exact number of times.

Q.8 Determine the greatest 3- digit number exactly divisible by 8, 10 and 12.

Q.9 The traffic lights at three different road crossing change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 a.m , at what time will they change simultaneously again?

Q.10 Find the least number which when divided by 6, 15 and 18 leave remainder 5 in each case.

N.T.S.E Based Questions:-

Q.1 HCF of 70, 105 and 175 is _____.

- a. 35 b. 135 c. 1050 d. 7

Q.2 Replace y by the non- zero digit, if the number 68y70 is divisible by 6.

- a. 2 b. 3 c. 1 d. 4

Q.3 The LCM of 504, 1260, 60 is _____.

- a. 420 b. 2520 c. 252 d. 126

Q.4 The sum of an even number and an odd number is _____.

- a. odd b. even c. prime d. both odd and even

Q.5 Which of the following pairs is a twin prime?

- a. 6, 8 b. 3, 5 c. 23, 29 d. 7, 11

Q.6 A number is divisible by 6 if it is divisible by-

- a. 2 b. 3 c. 12 d. both 2 and 3

Q.7 The HCF of two numbers is 23 and their LCM is 1449 . If one of the numbers is 161, then find the other.

- a. 207 b. 23 c. 211 d. 209

Q.8 Which of the following is not equal to $2 \times 3 \times 5$?

- a. LCM of 15 and 2 b. HCF of 90 and 150
c. LCM of 30 and 25 d. prime factorization of 30.

Q.9 Find the maximum value of missing digit (*) to make $52 * 54$ divisible by 3.

- a. 2 b. 5 c. 8 d. none of these

Q.10 If a and b are co- primes, then their LCM is-

- a. 1 b. $\frac{a}{b}$ c. ab d. none of these

Q.11 What least value should be given to * so that the number $915 * 26$ is divisible by 9?

- a. 1 b. 4 c. 2 d. 6

Q.12 The smallest odd prime number is-

- a. 1 b. 2 c. 3 d. 4

Q.13 The smallest composite number is-

- a. 6 b. 2 c. 3 d. 4

Q.14 The smallest number which when diminished by 3 is divisible by 14, 28, 36 and 45 is-

- a. 1257 b. 1260 c. 1263 d. none of these

Q.15 Find the greatest number of 6 digits exactly divisible by 24, 15 and 36 .

- a. 999720 b. 999999 c. 999920 d. 999990

Q.16 Find the greatest number which divides 285 and 1249, leaving remainders 9 and 7 respectively?

- a. 135 b. 136 c. 137 d. 138