ST. LAWRENCE HIGH SCHOOL
A Jesuit Christian Minority Institution
WORK SHEET - 32
CLASS –VI

F.M – 15
DATE -16.06.20

SUBJECT – ARITHMETIC   **CHAPTER 7 – PLAYING WITH NUMBERS**
TOPIC – RELATIONSHIP OF HCF AND LCM

Multiple choice questions : (Select the correct option)   (15)

1. Product of HCF and LCM = _____ of the two numbers.

a) difference   b) sum   c) product   d) none of these.

2. The product of two numbers is 625 and the LCM is 25 . Find the HCF.

a) 25   b) 18   c) 17   d) none of these.

3. The product of two coprime number is 117, then what is their LCM ?

a) 130   b) 112   c) 117   d) 145

4. The product of the HCF and LCM of two numbers is 1280. If one number is 32. Find the other number.

a) 40   b) 35   c) 19   d) none of these.

5. The LCM of two numbers is 120, which of the following cannot be the HCF ?

a) 8   b) 12   c) 24   d) 35

6. The product of two numbers is 216, if the HCF is 6. Find their LCM .

a) 10   b) 36   c) 19   d) none of these.

7. The LCM of two numbers is 864 and their HCF is 144. If one of the number is 288, then find the other number.

a) 214   b) 435   c) 432   d) none of these.

8. Find the LCM if the product of the two numbers is 2025 and their HCF is 15.

a) 110   b) 145   c) 135   d) none of these.

9. The HCF and LCM of two numbers are 8 and 48 resoectively. If one of the numbers is 24, then find the other number.

a) 10   b) 17   c) 16   d) none of these.

10. The HCF of a group of numbers is always a ____ of their LCM.

a) difference   b) sum   c) factor   d) none of these .

11. The LCM of two co primes is their _____.

a) quotient   b) product   c) sum   d) none of these .

12. The HCF of two co primes is ____.

a) 0   b) 2   c) 1   d) 4

13. The HCF of two numbers is 8, which of the following cannot be the LCM ?

a) 48   b) 56   c) 24   d) 60

14. The LCM and HCF of two numbers are 4125 and 25 respectively. One number is 375, by how much the second number is less than the first ?

a) 100   b) 50   c) 26   d) none of these.

15. The HCF of two numbers is 3 and the LCM is 90. If one number is 18, find the other number.

a) 15   b) 20   c) 16   d) none of these.

By – U James Riju.