ST. LAWRENCE HIGH SCHOOL
A Jesuit Christian Minority Institution
WORK SHEET - 30
CLASS –VI

F.M – 15
DATE -13.06.20

SUBJECT – ARITHMETIC　　　**CHAPTER 7 – PLAYING WITH NUMBERS**

TOPIC – HCF

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

Find the HCF of the following using prime factorization method : (No 1 – No 5)

1. 21, 28, 42

a) 6　b) 8　c) 7　d) none of these.

2. 48, 64, 144

a) 16　b) 18　c) 17　d) none of these.

3. 90, 405

a) 30　b) 12　c) 15　d) 45

4. 70, 105, 175

a) 10　b) 35　c) 19　d) none of these.

5. 129, 215, 387

a) 42　b) 21　c) 105　d) 43

Find the HCF of the following using division method : (No 6 – No 10)

6. 144, 216

a) 10　b) 72　c) 19　d) none of these.

7. 192, 72

a) 24　b) 35　c) 19　d) none of these.

8. 304, 437

a) 10　b) 14　c) 19　d) none of these.

9. 391, 425, 527

a) 10　b) 17　c) 19　d) none of these.

10. 527, 646, 1105

a) 11   b) 13   c) 17   d) none of these .

11. The HCF of two consecutive even numbers is always

a) 1   b) 2   c) 0   d) none of these .

12. The greatest number which exactly divide 200 and 320 is

a) 10   b) 20   c) 16   d) 40

13. Find the largest number that divides 18 and 24 without a remainder.

a) 11   b) 2   c) 6   d) none of these.

14. Find the greatest number that will divide 690, 875 and 1050 leaving remainders 10, 25 and 30 respectively.

a) 170   b) 130   c) 216   d) none of these.

15. Find the largest number that divides 96 and 108 without a remainder.

a) 12   b) 20   c) 16   d) none of these.

By – U James Riju.