

2034 NANUKU SANGAM SCHOOL
LESSON NOTES
WORKSHEET 3 -2021

Subject: Mathematics

Year: 8

Name: _____

STRAND: – Number and Numeration

SUB – STRAND: Numbers and Operations

CLO: Explain and organise numbers in multiples and factors

LESSON NOTES:

MULTIPLES AND FACTORS

Multiples, Common Multiples and Lowest Common Multiples

MULTIPLES:

Find the multiples of 6 and 8

$M\{6\} = \{6, 12, 18, 24, 30, 36, 42, 48, 54, 60, \dots\}$

$M\{8\} = \{8, 16, 24, 32, 40, 48, 56, 64, 72, 80, \dots\}$

Find the Common Multiple of 6 and 8

$\{24, 48, \dots\}$

The Lowest Common Multiple [LCM] is 24

FACTORS:

Find the Factors of 12 and 20

$F\{12\} = \{1, 2, 3, 4, 6, 12\}$

$F\{20\} = \{1, 2, 4, 5, 10, 20\}$

Find the Common Factors of 12 and 20

$\{1, 2, 4\}$

The Highest Common Factor [HCF] is 4

QUESTIONS

1. Find

- a. $M\{7\} =$ _____
- b. $M\{9\} =$ _____
- c. $M\{7\} \cap M\{9\} =$ _____
- d. LCM of 7 and 9 = _____

2. Find

- a. $F\{36\} =$ _____
- b. $F\{48\} =$ _____
- c. $F\{36\} \cap F\{48\} =$ _____
- d. HCF of 36 and 48 = _____

3. Find LCM of 3 and 4

4. Find HCF of 24 and 30
