

Worksheet (3) |

Lower Secondary
Stage (6-8)

1st Semester | 2023-2024

Subject: Math

Name: _____

Objectives:

- LCM, HCF, the test of divisibility.

Chapter: 1 (numbers and calculations)

Grade 6 CS

Multiples and factors.

- Multiples: The multiples of a number are all the numbers from its timetable.
- Factors: The factors of a number are all the whole numbers that divide into it.
- Prime number: is the number that has only **two factors**; **1** and the **number itself**.
- Composite number: a number that has **more than two factors**.

Exercise (1): Write the first five multiples of:

- 6: **6, 12, 18, 24, 30**
- 8: **8, 16, 24, 32, 40**
- 12: **12, 24, 36, 48, 60**

Exercise (2): Write all the factors of:

- 20:
- 48:
- 64:
- 100:

Exercise (3): Check (✓) the prime number from the composite number.

	Prime number	Composite number
81		
213		
630		
12521		

Exercise (4):

a) Find the HCF of:

30:

48:

HCF:

b) Find the LCM of:

5:

12:

20:

LCM:

Exercise (5): Check the divisibility for the numbers below.

	Divisible by 2	Divisible by 3	Divisible by 5	Divisible by 6	Divisible by 9
918120					
31245					
133137					