Worksheet Number (1)

Grade & Section: Grade Six (   )   **Unit:** 1

Student's Name: _____   **Date:** / /

Skill/Lesson: Identify multiples, factors, prime and composite.

- **Multiple:** A multiple is a product that we get when one number is multiplied by another number.

Ex: the multiple of 6 are: 6, 12, 18, 24, 30, 36, 42 ….. etc.

- **Factors:** are what we can multiply to get the number.

Ex: the factors of 6 are: 1, 2, 3, 6.

- **Common Multiple:** A Number that is a **multiple** of 2 or more given numbers

Ex: 12, 24 and 36 are common multiples of 4 and 6.

- **Find the first ten multiple of these numbers**:

  4: _4, 8, 12, 16, 20, 24, 28, 32, 36, 40.

  7: _7, 14, 21, 28, 35, 42, 49, 56, 63, 70

  12: __12, 24, 36, 48, 60, 72, 84, 96, 108, 120

  25: __25, 50, 75, 100, 125, 150, 175, 200, 225, 250

  40: _40, 80, 120, 160, 200, 240, 280, 320, 360, 400.

- **Find all the factors of these numbers**:

  5: __1,5

  12: 1, 12, 2, 6, 3, 4

  18: 1,18, 2, 9, 3, 6

  45: 1, 45, 3, 15, 9, 5

  60: _1, 60, 2, 30, 15, 4, 3, 20, 5, 12, 6, 10

- Mai puts 4 coins in her money box every day. Bilal puts 7 coins in his money box every day. There is a money box in their setting room with 20 coins in it. Whose money box, is it? (Explain your answer)

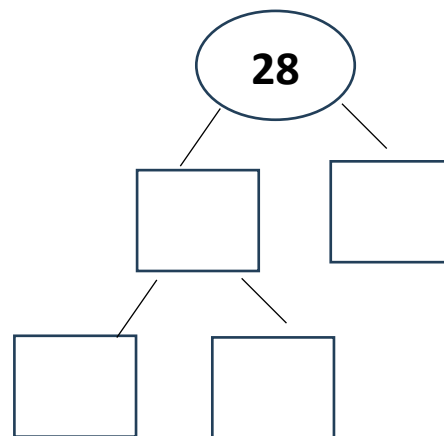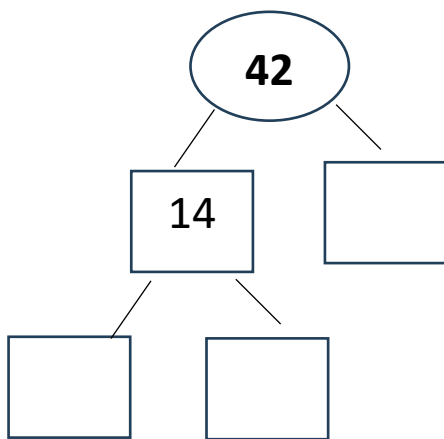- Mai because 20 is a multiple of 4

- **Prime number:** is a whole number greater than 1 that has exactly two positive factors, 1 and itself.

Ex: 2, 3, 5, 7, 11, 13, 17.

- **Composite number**: is a whole number that has more than two positive factors.

Ex: 4, 6, 8, 15, 24, 25, 30.

- A composite number can be written as the product of its prime factors. This is called the **prime factorization** of the number.

42: 2*2*3

28: 2*2*7

GOOD LUCK 😊