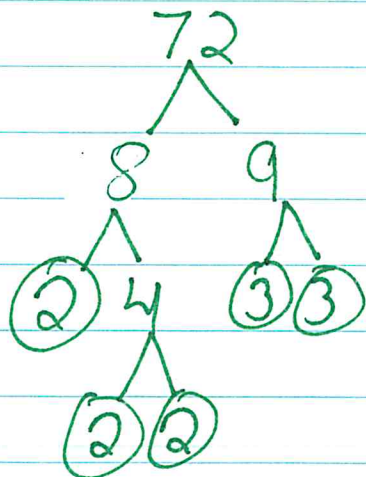


Chapter 6 Vocabulary

Expression = mathematical phrase with NO equal sign, that may contain numbers, variables, and operators Ex.) $8x - 5$

Equation = mathematical statement that has algebraic and numeric expressions set equal to each other Ex.) $4x + 2 = 10$

Prime Factorization = process of decomposing a composite number as a unique product of prime factors Ex.) 72



$$2 \times 2 \times 2 \times 3 \times 3 \quad \text{or} \quad 2^3 \times 3^2$$

Exponent = in the expression x^y , x is called the base and y is called the exponent. The exponent determines the number of times the base is multiplied by itself.

Ex.) $3^4 = 3 \times 3 \times 3 \times 3$
81

EQUATION BREAKDOWN

Equation

Expression

Term

$$3x + 5 = 20$$

Coefficient

Constant

variable