Unit 6: Algebraic Expressions

Algebraic Expressions Vocabulary

Algebraic Expression Vocabulary Flipbook:
- Fold your blank paper in half - (hot dog style)
- Draw 6 lines
- Cut down the lines towards the fold to create 7 flaps
- On each flap write the following vocabulary words:

1.) Numerical Expressions

2.) Algebraic Expressions

3.) Constant

4.) Variable

5.) Term

6.) Coefficients

7.) Quantity

Numerical Expressions

a mathematical phrase that contains **only** numbers and operation symbols $(+, -, \cdot, \div)$

Here are some numerical expressions:

$$60 + 25 \qquad 42 \div 7 \qquad 4^2 - 3$$

Numerical expressions are used daily for recipes, point totals, and family budgets, among other things.

Algebraic Expressions

An expression that contains a variable.

Here are some algebraic expressions:

$$5 + n \qquad 7a \text{ (means 7 x } a) \qquad k - 3$$

Constant

A **constant** is a value that <u>does not change.</u>

In the expression : **3a + 4y - 6 + (2a + 3)**

2 constants

* the value of the other terms can change depending on the values assigned to the variables.

Variable

a letter or symbol used to represent one or more numbers

In the expression 3a + 4y - 6 + (2a + 3)

2 variables

Term

"A **term** is either a single number or variable or the product of several numbers or variables.
** separated from another term by a **plus** or **minus** sign in an <u>overall expression</u>

In the expression : **3a + 4y - 6 + (2a + 3)**

Ex of terms:
3a, 4y, 6, 2a, 3

5 terms

Coefficent

A **coefficient** is the number <u>before</u> the variable that expresses how many of each variable there are.

In the expression: **3a + 4y - 6 + (2a + 3)**

3 coefficients

Quantity

A **quantity** is a specified or indefinite amount of something. (In Parentheses!)

In the expression: 3a + 4y - 6 + (2a + 3)