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 (+, −, ·, ÷).

Here are some numerical expressions:

\[60 + 25 \quad 42 \div 7 \quad 4^2 - 3\]

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:

\[5 + n \quad 7a \text{ (means } 7 \times a) \quad k - 3\]
**Constant**

A **constant** is a value that does not change.

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.*

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**Variable**

A **variable** is 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 overall expression. 

Ex of terms: $3a + 4y - 6 + (2a + 3)$

Coefficient

A coefficient is the number before 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: $3a + 4y - 6 + (2a + 3)$