Writing Expressions

VERBAL EXPRESSION - an expression written as a word phrase

Examples: two plus four

a number increased by two

Verbal expressions can be translated to numerical or algebraic expressions by identifying numerical values, variables, and key terms that signal an operation.

ALGEBRAIC EXPRESSION - a combination of variables, numbers, and at least one operation.				
<u>Examples:</u> 5 + n	7a (means 7 x a)	k - 3		

VARIABLE	a placeholder, a letter or symbol, used to represent an	
unspecified value in mathematical expressions or equations		

Suppose you knew that the Panthers scored 35 points in the first half of a game, but you didn't know how many points they scored in the second half. You could use a variable to represent the number of points scored in the second half.

DEFINE THE VARIABLE:

p = points in the second half

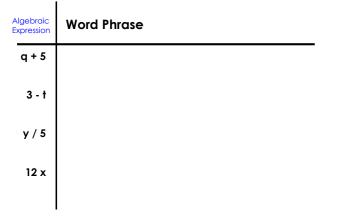
35 + p

ADDITION			SUBTRACTIO	N
MULTIPLICATION	0	of	DIVISIO	N

Review key words for the different operations Drag

Algebraic Expression
Click to reveal

Write a word phrase for each algebraic expression.



Tips to remember:

• Letters in math are called variables because their values vary.

• When multiplying a number and a variable, the number is written first. For example: x times 5 is 5x not x5.

• Don't use subtraction in the wrong order!

For example:

"the difference of 5 and t" and "5 decreased by t" are translated as **5** - **t** while "5 less than t" and "5 subtracted from t" are translated as **t** - **5**.

Real World Application:

 Mary earns an allowance of \$5 per week. She also earns \$6 per hour babysitting. Write an expression that would represent the total amount of money she earns in one week.

define the constant: .

define the variable: _____

expression:

Evaluate your expression to determine how much Mary will make if she works for 6 hours.

Real World Application:

1. You have decided to treat yourself to ice cream. "Scoops" has one cone of ice cream for \$3 and each topping is \$1.

define the constant: _

define the variable: ____

expression: ____

Evaluate your expression to determine how much it will cost to get an ice cream cone with 3 toppings.