Writing Expressions

Objective: write verbal statements in algebraic form

Warm-Up

Try to fill in as much of the box at the top of your notes as you can!

Agenda

Warm-Up: See left

Notes: Writing Expressions

Exit Ticket: Vocabulary

Homework: None!

Remember: You need your notebook tomorrow!
Calculator form due Thursday.
Syllabus & Contact Card due Friday.

Please turn in any contact cards, mathbooks, or calculator forms.

Write an algebraic expression for each verbal expression below:

Vocabulary:

<u>Expression</u>: A mathematical phrase that contains operations, numbers, and/or variables. It does not have any equal signs (=).

<u>Variable</u>: A value that changes and represents an unknown. It is represented by a letter.

Constant: A value that does not change, represented by a number

Algebraic Expression

include numbers, variables, and operations

4×+2

Numerical expression

include only numbers and operations.

4+2

Math Yalk!

Addition

add sum increased by more plus together combined and

Subtraction take away

subtract decreased by minus

Exponents squared

to the power of

Division

shared

ratio quotient half Multiplication

times **O**†
product
twice multiple

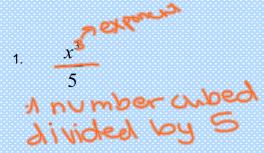
Parenthesis

quantity

IS MEANS EQUALS!!

"Turn Around Words"
less than

Write a verbal expression for each algebraic expression given below:



2.
$$\frac{1}{2}n$$

4.
$$3x^2 + 5y$$

Write an algebraic expression for each verbal expression. 2nd - #4, 3rd - #6, 4th&5th #5

The measure of an angle is $(5x)^{\circ}$. What is the measure of that 5. angle's complement? Subtract



Remember! Complementary Angles-



6. A square has a side length of s. What is it's perimeter?

7. Three plus the quotient of 7 and a number subtracted from two times the same number.

- 8. Chris wants to buy his girlfriend a charm bracelet for her birthday. The cost of the bracelet is \$85, plus \$15.25 for each charm. Write an expression to find the cost of the bracelet if Chris purchases c, charms.
- 9. Lara wants to buy a Rock Band game that is on sale for 35% off the regular price. The regular price of the game is p dollars. Which expression represents the sale price of the game?

A. p = 0.35p C. p = 35pB. p + 0.35p D. 0.35p

Shany earns \$545.25 less than 2.5 times her 10. brother's monthly salary. Write an expression for Shany's salary in terms of her brother's monthly salary.

Exit Ticket

EVALUATING EXPRESSION

AGENDA

Please have out your notebook. Turn in things!

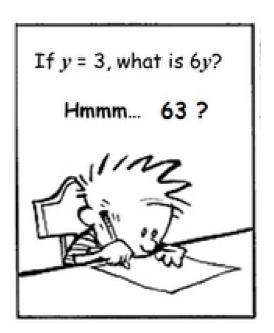
Warm-Up: See right

Notes: Evaluating Expressions

Homework: Begin worksheet

Remember:

Calculator form due TOMORROW. Mathbook & Contact Card due Friday. Warm-Up: On a notecard, explain why Calvin is wrong.



Write a verbal expression for each algebraic expression given below:

2. $\frac{1}{2}n_{+4}$

4m-5n3.

4. $3x^2 + 5y$

Write an algebraic expression for each verbal expression. 2nd - #4, 3rd - #6, 4th&5th #5

The measure of an angle is $(5x)^{\circ}$. What is the measure of that 5. angle's complement?

Remember! **Complementary Angles-**

Supplementary Angles-

A square has a side length of s. What is it's perimeter 6.



Three plus the quotient of 7 and a number subtracted from two times the same number. 7.

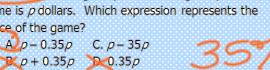


8. Chris wants to buy his girlfriend a charm bracelet for her birthday. The cost of the bracelet is \$85, plus \$15.25 for each charm. Write an expression to find the cost of the bracelet if Chris purchases c, charms.

10.



Lara wants to buy a Rock Band game that is on sale for 35% off the regular price. The regular price of the game is p dollars. Which expression represents the sale price of the game?



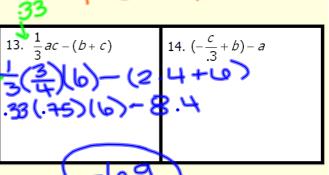
Shany earns \$545.25 less than 2.5 times her brother's monthly salary. Write an expression for Shany's salary in terms of her brother's monthly salary.



Equation: a mathematical statement that two expressions are equal

Evaluate: Look at something closely, determine the value of something.

Evaluate the following expressions for $a = \frac{3}{4}$, b = 2.4 and c = 6.



Grab a white board & marker! Let's evaluate

Evaluate the following expressions for a=-3, b=4, and c=2:





