



LESSON 2-1 Writing Equations

I can... translate between sentences and equations.

Remember.....

Subtraction

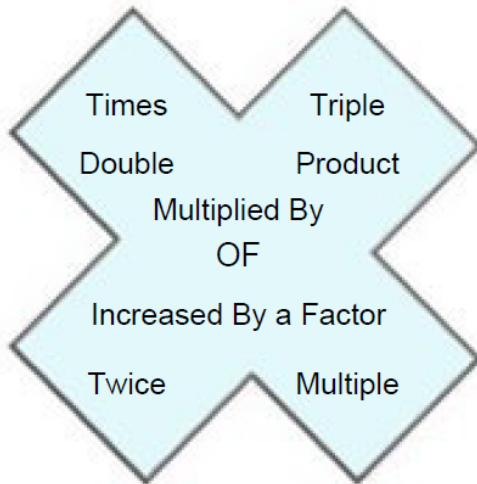
Subtract	Gave	Take Away
Decrease By	Fewer	Minus
Shared	Fewer Than	Less Than
	Difference	Less

Addition

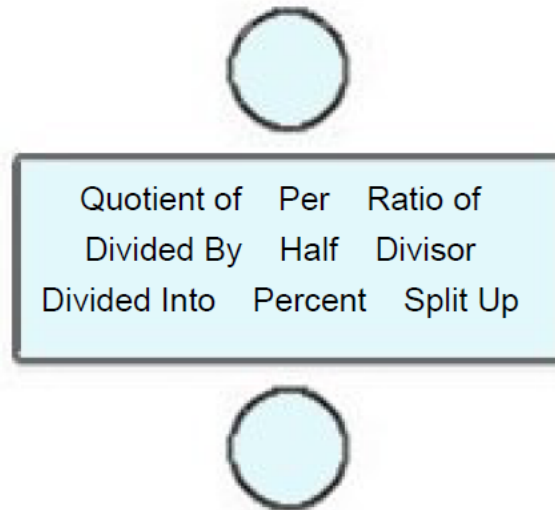
	Plus	
	And	
	Total of	
Altogether	Increased By	
Combined	Add	Sum
Together	More Than	
	Added To	
	In All	
	Make	

Remember.....

Multiplication



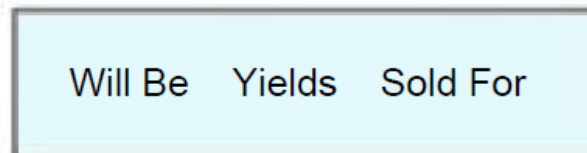
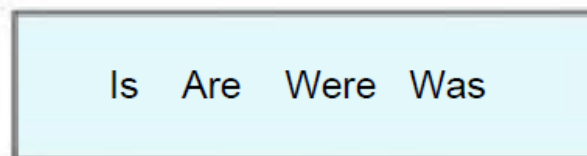
Division



Section 2.1 adds Equals to the mix!

Equals

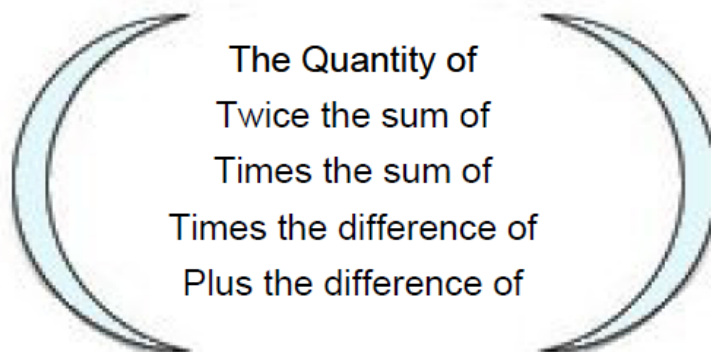
Sum
Difference
Product
Quotient



Costs

Don't Forget about...

Parenthesis Words



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NHSMahony

Words to Numbers



Translate this sentence into an equation.

1. A number b divided by three is equal to six less than c .

$$\frac{b}{3} = c - 6$$

Translate this sentence into an equation.

2. Fifteen more than z times six is y times two minus eleven.



3. A number c multiplied by six is equal to two more than d .

4. Three less than a number a divided by four is seven more than 3 times b .

$$\frac{a}{4} - 3 = 7 + 3b$$

Numbers to Words

5. Translate the equation into a verbal sentence.

$$12 - 2x = -5$$

The difference of twelve and twice a number is the opposite of five.

Translate the equation into a verbal sentence.

6. $\frac{12}{b} - 4 = -1$

White Boards

7. $5a = b^2 + 1$

8. $a^2 + 3b = \frac{c}{6}$

Numbers to Word Problems

9. Write a problem based on the given information.

f = cost of fries

$f + 1.50$ = cost of burger

$$4(f + 1.50) + f = 8.25$$

4 \swarrow cost of burger

Burgers cost \$1.50 more than fries.
Four burgers and one order of fries costs \$8.25.
 How much are fries?

f = cost of fries $(f + 1.50)$ = cost burger

$$4(f + 1.50) + f = 8.25$$

10. Write a problem based on the given information.

h = Tiana's height in inches

$h - 3$ = Consuelo's height in inches

$$3h(h - 3) = 8262$$

Consuelo is three inches shorter than Tiana.
 Three times Tiana's height multiplied by Consuelo's
 is 8262. How tall is Tiana?

11. Write a problem based on the given information.

a = cost of one adult's ticket to the Zoo

a - 4 = cost of one children's ticket to the Zoo

$$2a + 4(a - 4) = 38$$

front load 2.2

Keep your equations BALANCED!

Keep fractions as fractions unless they reduce.

List a properties for each step of solving.

$$27 + k = 30$$

$$\frac{2}{3}q = \frac{1}{2}$$

What can you
multiply a number by
to get to 1?
Hint think Properties

Homework 2.1

Pg. 78

#21-45o

Front Load 2.2

Pg. 86

#1-15

