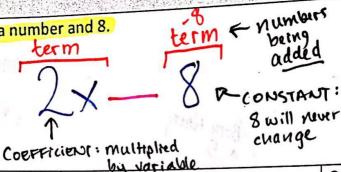


	W. Carl	The state of the s	
What are the 4 operations and what words/thoughts come to mind with each of these operations?			
ADDITION +	SUBTRACTION -	MULTIPLICATION	Division
- Sum	-subtract	-multiply/ing	-divide kd/ing
-add/ed/ing	- Minus	-times/ed/ing	- quotient
-total	-less	-product	- Shaved among a group
-pus	- difference	- ( ) by ( )	- divided by
- more	- take (away)	each /	- fractions
Give two ways to interpret the algebraic expression in words <u>lexpression</u>			
1. <b>X+</b> 5	2. <b>y=4</b>	3. (7 <u>k</u> )	4. 10
· a number plus 5	·a number subtract	A THE RESIDENCE OF THE PARTY OF	10 divided by a number.
· a number added	104 4.	number	number.
\$ 5	of less than a	THE PRODUCT OF 7 AND A NUMBER	10 Sprit By A
	THE A		Number

Write an algebraic expression for the verbal expression. Identify the terms, coefficients, constant

5. The difference of twice a number and 8.



6.

10 more than five times a number.

Terms: 10 and 5x

Coefficients: 5

Constants: 10

Factors: 1 \ 5

5 less than one third a number.

Terms: 1 x and -5

Coefficients: 13

Constants: - 5

Factors: No integer divides evenly into 3x and -5 8.

7 increased by the quotient of number and 6.

organ July

Terms:

Coefficients:

Constants:

Factors:

Order of Operations

Simplify:  $19 - 7 + 12(2^2)$  in two different orders

19-7+12(22) 19-7 +12(4) 12+48

How do you remember the correct order?



exponents



Evaluate each expression for x = 3, y = 1, z = -6

$$9. \ 4x-3y+z$$

- 10. 8 3xyz
- 11.  $(x^2+z^2)-3y$

$$(x + 2) = 3y$$

12.  $\frac{9z}{r} + 2y$ 

You are selling cupcakes and lemon bars for a fundraiser for building a new library. Cupcakes cost \$1.50 each and lemon bars are \$.50 each. Write and expression that represents the amount of money you make form the bake sale. Variables:



How much would you make if you sold 20 cupcakes and 35 lemon bars?

= number of lemon hars sold

Ex 14:

At Chili's the other night the bill was d dollars before tax. The rate of tax is 8%.

ant due of lax = Bill (

Write an expression that represents how much the total bill was.



• If 
$$d = $35$$
 what was the total bill?

Write an expression that represents how much you owe if you went to dinner with f friends and you split the bill evenly amongst you and your friends.

• If 
$$d = $40$$
 and  $f = 4$ 

Ticket out the Door

Given the variable expression 4x + 2y - 6

Identify: Terms:

Coefficients:

Constants:

**Factors:** 

and  $y = \underline{\hspace{1cm}}$  then evaluate the expression.