

Name: \_\_\_\_\_

# SOLVING EQUATIONS...

## What do I already know?

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Match the vocabulary word to its proper definition:

VARIABLE		A quantity that does not change (usually a NUMBER!)
CONSTANT		A math phrase without an equals sign.
EQUATION		The unknown term (often expressed as a LETTER)
EXPRESSION		A math phrase with an equals sign

Solve for  $x$ , if  $a = 10$ .

$10 + a = x$	$\frac{a}{2} = x$	$\frac{a}{5} = x$
$10 - a = x$	$3a = x$	$50a = x$

Solve for  $y$ , if  $x=2$ .

$10 + y = x$	$\frac{y}{2} = x$	$y - 7 = x$
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Fill in the following tables:

X	1	2		4	5
y		6	9	12	

A	10	20	30		
B		4		8	10

h	1	3		7	
j	3		11		19

Kanye West wants to buy 3 new cars. Each car also needs a new fur steering wheel cover for \$50. Car A he wants to buy is \$40,000. Car B is twice that amount. Car C is \$550 more than car B. How much money does Kanye need to buy all these things?

Chicken Chef sells wings for \$5 a pound. If you go on Wednesdays, the wings are 50% off. You went for wings Tuesday and got 6 pounds of wings. They were SO DELICIOUS you went back Wednesday and got 7 pounds of wings. Which day did you spend more money? How much more money did you spend?