

# Writing 2-step Equations

10/22

## Words into Math

**ADDITION**

Add  
Sum  
Increased By  
More  
Plus  
Combined

Together  
**And**

**SUBTRACTION**

Subtract  
Difference  
Decreased by  
Minus  
Take away

**DIVISION**

Quotient  
Ratio  
Shared  
Divided By  
Per

**MULTIPLICATION**

Product  
Multiple  
Times  
Twice

**OF** ← 2x

Written as a fraction →

**EQUALS**

**IS**

are  
gives

were  
totals

will be

**Parenthesis Words**

Times the difference of  
Twice the sum of  
Plus the difference of

**Turn Around Words**

**THAN**  
(less than)

**FROM**

5 less than 7  
7-5  
Take 5 from 7

\* "A number" - use a variable x

Oct 17-9:00 AM

**Define a variable. Then write and solve an equation to find each number.**

1. The difference between 5 times a number and 3 is 12.  
 $5x - 3 = 12$
2. Nine more than three times a number is -6.  
 $3x + 9 = -6$
3. Nine more than the quotient of a number and 4 is 12.  
 $x/4 + 9 = 12$
4. Four less than the quotient of a number and 3 is -10.  
 $x/3 - 4 = -10$
5. Nine less than six times a number is -15.  
 $6x - 9 = -15$
6. Three less than the quotient of a number and 6 is 1.  
 $x/6 - 3 = 1$
7. Eight more than the quotient of a number and 5 is 3.  
 $x/5 + 8 = 3$
8. The difference between twice a number and 11 is -23.  
 $2x - 11 = -23$

\* Division is ALWAYS written as a fraction.

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Write a verbal phrase for each equation:

1.  $2x + 5 = 11$

5 more than 2 times a number is 11

The sum of twice a number and 5 is 11

2.  $x/4 - 7 = -2$

7 less than the quotient of a number and 4 is -2

The quotient of a number and 4 minus 7 is -2

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