

Solving for x: Lesson 03  
Words That Mean Math: Notes

ANSWERS!

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

MATH  ALL

**Addition**

Words

add , plus , total , and  
increased by , more than  
exceeds by , sum

Symbols

$5 + 13$                        $(-4) + (10)$                        $5\frac{3}{8} = \underline{5 + \frac{3}{8}}$

**Subtraction**

Words

subtract , minus , take away  
decreased by , difference  
★ fewer than      ★ less than  
subtracted from

Symbols

$5 - 9$                        $82 - (54) = \underline{82 - (+54)}$

## Multiplication

Words

multiply , times , of , twice  
product

Symbols

$6 \times 7$

$6 \cdot 7$

$3x = \underline{3 \cdot x}$

$4(5) = \underline{4 \cdot (5)} = \underline{(4)(5)}$

$7\sqrt{8} = \underline{7 \cdot \sqrt{8}}$

$3|-9| = \underline{3 \cdot |-9|}$

## Division

Words

divide , over , miles/hr  
per , ★ goes into  
quotient

Symbols

$x \div 65$  ,  $\frac{x}{65}$  ,  $65 \overline{)x}$

**Exponents: Base** <sup>exponent</sup>

□ squared ;  $3^2$       cubed ;  $5^3$  

raised to the blank power ;  $y^5$

## Equals

is , equivalent to , result in  
the result is , same as

**Examples: Translate the following into beautiful math:**

The quotient of 7 and a number is 4

$$7 \div n = 4$$

$a$  and  $b$  result in 16 fewer than  $p$

$$a + b = p - 16$$

The difference between 30 and  $y$  is the product of 3 and 8

$$30 - y = 3 \cdot 8$$

Four times the sum of 8 and  $b$

$$4(8 + b)$$

14 minus the answer to  $x$  less than 3 squared

$$14 - (3^2 - x)$$