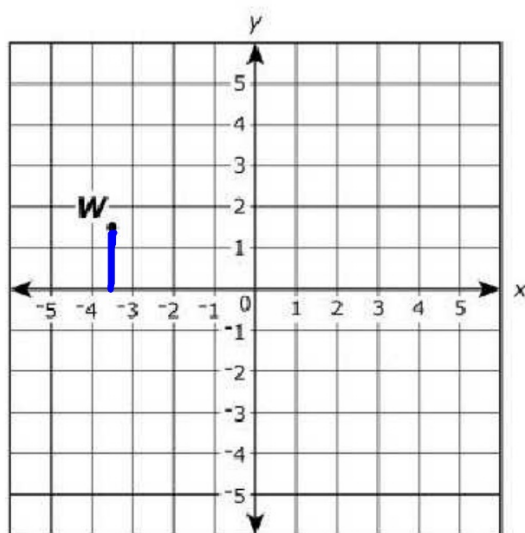


This coordinate plane shows the location of point  $W$ .



$-3.5$   
 $(-3.5, 1.5)$

What is the value of the x-coordinate of point  $W$ ? Enter your answer as a decimal to the nearest 0.5.

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# Module 9 Lesson 5

— I will be able go write algebraic expressions! —

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triple  
3x

twice/double  
2x

<b>MATH TERMS</b>			
Check the vocabulary to determine which operation to use in word problems			
<b>+</b> addition add altogether plus increase total together more	<b>combine</b> and both join in all sum	<b>-</b> subtraction subtract minus how many difference decrease	<b>deduct</b> fewer remain left over less more reduce take away
<b>x</b> multiplication multiply product multiple times triple	<b>by</b> factor area twice double of	<b>=</b> equals is are	<b>÷</b> division split parts equal groups separate distribute average ratio
<b>total</b> will be gives			
Story problems are tough. In math there are many ways of saying the same thing. This chart gives "clue" words that will aid students who are trying to decide which math operation to use in word problems.			

## Write Algebraic Expressions

1. n divided by 8

$$n \div 8$$

3. k less than 24

$$24 - k$$

5. The product of 2 and p

$$2 \cdot p \text{ OR } 2p$$

2. p multiplied by 4

$$p \cdot 4 \text{ OR } 4p$$

4. The quotient of 13 and z

$$13 \div z$$

6. The sum of 7 and x

$$7 + x$$

## Practice:

1. Eight dollars more than Ryan earned

$$8 + x$$

$$\hookrightarrow x + 8$$

$x = \text{Ryan earned}$

2. Ten dollars less than the original price

$$S - 10$$

$S = \text{original price}$

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