Ones to watch:

- > When the terms "less than" or "subtracted from" are used the number or variable will come after the operation.
- > When the term "more than" is used, because it indicates addition, the order the terms are written in will not matter. (More about this in a few days when we discuss properties!)
- ➤ When the term quotient is used it typically has "and" as part of the words.

 This does not signify addition but which numbers/variables are being divided.
- > When the term "quantity" is used it means one of the factors in an expression and is written in parenthesis.

Examples: "10 less than x" would be written x - 10

"5 subtracted from y" would be written y - 5

"the quotient of x and 2" would be written $\frac{x}{2}$

"the quantity of a number plus 4 times 9" would be written 9(x + 4)

Try:

- 1) The quotient of a number and 3 × +3
- 2) 17 subtracted from a number 17
- 3) 5 more than twice a number 2x+5
- 4) 8 less than quadruple a number
- 5) 6 times the quantity of 4 divided by a number

6 (9 = X)

Translating	Word	Phrases and	Speaking	Algebraically

With a partner try translating the following into expressions:

- 1. 287 plus 932 Z 87 + 13Z
- 2. a number divided by 14 = \int \div \frac{1}{1}
- 3 more than the quotient of a number and $6 \times -6 + 3$

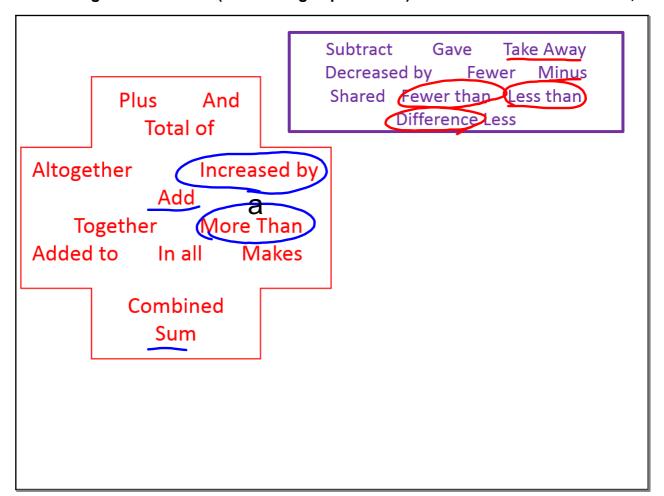
4. 7 subtracted from a number

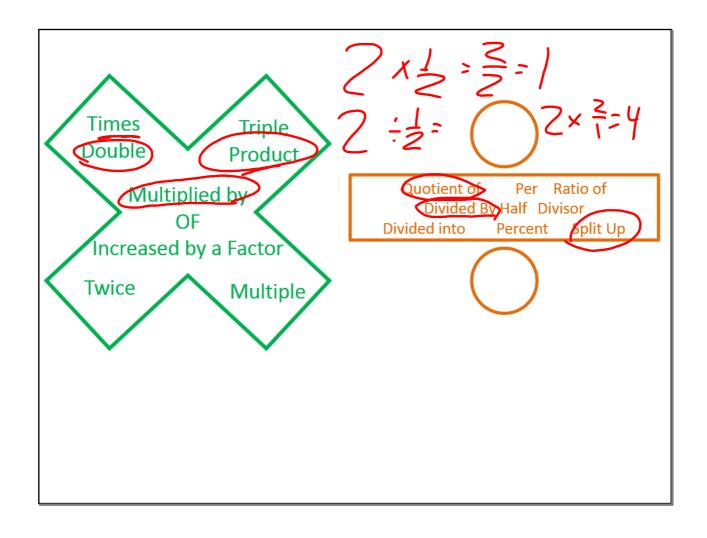
6. 6 times the quantity of a number minus 5

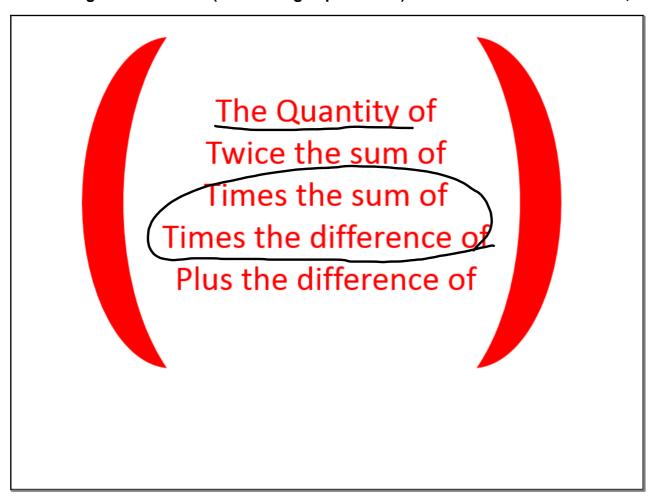
 $\left(\left(x-5\right)\right)$

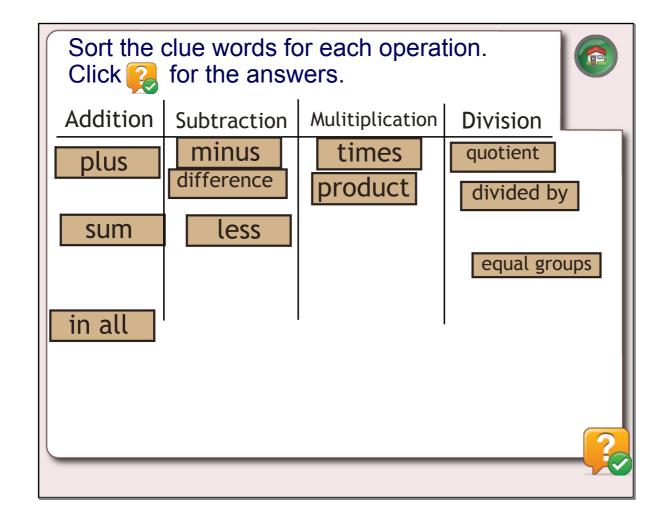
Let's talk

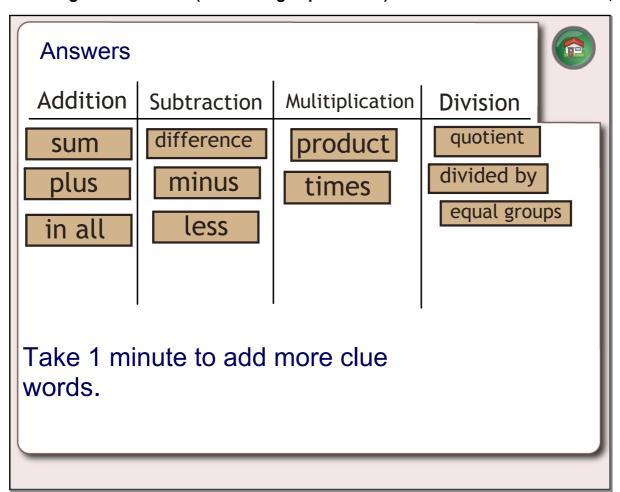
 $(Capture\ notes\ from\ the\ class\ discussion\ of\ the\ answers\ to\ expressions\ above.)$











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- 1) The quotient of a number and 3
- 2) 17 subtracted from a number
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Translating Word Phrases and Speaking Algebraically With a partner try translating the following into expressions: 1. 287 plus 932 2. a number divided by 14 3. 3 more than the quotient of a number and 6 4. 7 subtracted from a number 5. 9 less than a number 6. 6 times the quantity of a number minus 5 Let's talk: (Capture notes from the class discussion of the answers to expressions above.)

Translate the following words into an algebraic expression

The product of 5 and a number

Translate the following words into an algebraic expression

Thirteen less than a number

Translate the following words into an algebraic expression

One less than the quotient of a number and 6

Translate the following words into an algebraic expression

Seven less than double a number



Translate the following words into an algebraic expression

Twelve times the sum of a number and eight



Translate the following words into an algebraic expressior
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Sixteen times the quantity of 7 plus a number

Translate the following words into an algebraic expression

Ten times the difference of a number and fifty

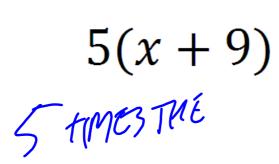
Translate the following expression into words

24x74 TIMES A NUMBER

Translate the following expression into words $\gamma = 0$

Translate the following expression into words

$$5(x + 9)$$



Translate the following expression into words

a number minus 1 squared

$$(x-1)^2$$

The quantity of a number minus one squared

	Pre	actic	2
	an algebraic expression for each ve		10 decreased by a number
1.	5 more than a number		To decreased by a normal
		-	
			Decreased means to subtract.
			\
3.	the quotient of 12 and a number	4.	8 times a number
		-	
5.	subtract 9 from a number	6.	multiply a number by 7
		_	
7.	divide a number by 20	8.	the sum of 15 and a number
			- <u> </u>
Writ	e a verbal expression for each algeb 12s		ession. . y – 3
Wrii 9.	12s	R The coeffi	. y – 3
9.	REMEMBE factor of the	R The coeffi e product.	. y-3
9.	12s	R The coeffi e product.	. y-3
9.	REMEMBE factor of the	R The coeffice product.	. y-3
9.	REMEMBE factor of the	R The coeffice product.	. y – 3 cient is a 2. ρ ÷ 5
9.	REMEMBE factor of the factor o	R The coeffice product.	. y - 3 clent is a 2. p + 5 3. 32 + x
9. 11. 13.	REMEMBE factor of the factor o	R The coeffice e product.	cient is a $p+5$
9. 11. 13. Wr	REMEMBE factor of the factor of 4 and the sum of 6 and the product of 4 and the sum of 6 and	R The coeffice product. 12 14 verbal expends a number	cient is a $p+5$
9. 11. 13. Wr	REMEMBE factor of the factor o	R The coeffice product. 12 14 verbal expends a number	cient is a $p+5$
9. 11. 13. Wr	REMEMBE factor of the factor of 4 and the sum of 6 and the product of 4 and the sum of 6 and	10. R The coeffice product. 12. 14. verbal expect a number and 2.	cient is a $p + 5$ $p + 5$ $32 + x$ $pression. Let n = the number.$
9. 11. 13. Wr 15.	REMEMBE factor of the factor o	10. R The coeffice product. 12. 14. verbal expect a number and 2.	cient is a $p + 5$ $p + 5$ $32 + x$ $pression. Let n = the number.$