

TRANSLATING WORDS TO MATH

YOU CAN TRANSLATE WORDS INTO MATH SYMBOLS TO FORM EXPRESSIONS AND EQUATIONS.

EXAMPLES:

WORDS TO MATH

- 1) ADD 43 TO A NUMBER, $n = n+43$
- 2) A number, w , decreased by 12. $= w-12$
- 3) 8 less than a number, y . $= y-8$
- 4) 9 more than twice a number, $a = 2a+9$

* REMEMBER A NUMBER AND LETTER SIDE BY SIDE MEANS MULTIPLY.

MATH TO WORDS

- 1) $k-5$
 - A number decreased by 5
 - 5 less than a number
 - A number subtracted by 5
- 2) $6x$
 - The product of 6 and a number
 - 6 times a number
- 3) $2a+7$
 - The sum of the product of 2 and a number and 7
 - 7 added to the product of 2 and a number
 - 7 more than 2 times a number

* NOTE: PRODUCT, QUOTIENT, SUM, DIFFERENCE
GO IN ORDER

EXAMPLES:

1) THE SUM of a number and 28 = $x + 28$

2) The difference of 7 and x = $7 - x$

3) The product of a number and 100 = $x \cdot 100$

* because of the commutative property, we can rearrange to write $100x$ as that is the standard form

4) The quotient of a number and 3
= $\frac{n}{3}$ OR $n \div 3$