

Translating Algebraic Expressions Guided Notes

EXAMPLE: Express “**ninety-six less than the quotient of a number and three,**” as an algebraic expression.

$$96 - x \div 3 \quad \underline{\hspace{10em}}$$

$$96 - 3 \div x \quad \underline{\hspace{10em}}$$

$$3 \div x - 96 \quad \underline{\hspace{10em}}$$

$$x \div 3 - 96 \quad * \underline{\hspace{10em}}$$

When we see the word “**less**” we know that we are suppose to subtract, but what are we subtracting?

What do the following words mean?

Hopeless means _____, hope has been _____.

Helpless means _____, help has been _____.

Clueless means _____, all clues have been _____.

Therefore “**ninety-six less,**” means _____, 96 is being _____ from the quantity that follows the words than.

The same is true of the word “**more,**” except the quantity that precedes more will be _____ to the quantity that follows the word “than.”

More than Operators

The following words are more than operators; they are implying a grouping or parenthesis; their operation takes priority:

Sum means the _____ to an _____ problem. The sum of 6 & 3, or $(6 + 3)$.

Difference means the _____ to a _____ problem. The difference of 6 & 3, or $(6 - 3)$.

Product means the _____ to a _____ problem. The product of 6 & 3, or (6×3) .

Quotient means the _____ to a _____ problem. The quotient of 6 & 3, or $(6 \div 3)$.