

GUESS METHOD

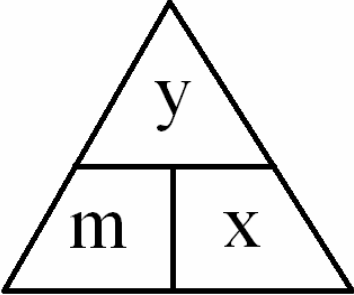
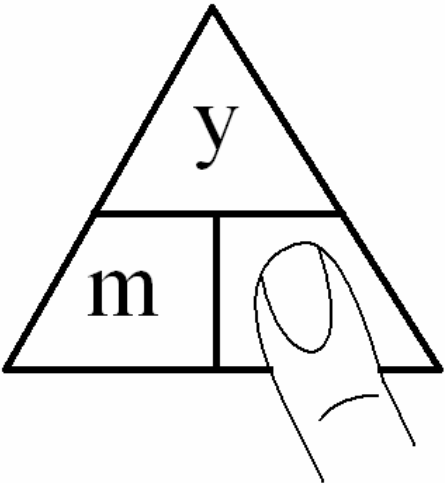
To help you solve problems, follow along with this method to make sure you have all the information that you need to solve a problem!

<u>GIVEN</u>	<u>UNKNOWN</u>	<u>EQUATION</u>	<u>SUBSTITUTE</u>	<u>SOLVE</u>
List any information given to you in the problem. Be sure to include the variable (symbol) and the units.	List the variable (symbol) you are looking for.	List any AND all equations you will use to solve this problem.	Substitute all of your givens into the equation with units.	Finally, Show your final answer, including what the variable (symbol) is and the units.
<u>Example:</u> $d = 15\text{m}$ $t = 5\text{sec}$	<u>Example:</u> $v = ?$	<u>Example:</u> $v = d/t$	<u>Example:</u> $v = \frac{15\text{m}}{5\text{sec}}$	<u>Example:</u> $v = 3^{\text{m}}/\text{s}$

In order to earn maximum points remember to show all guess steps! You are demonstrating your understanding with each one!

EQUATION TRIANGLES

In Physics we use a lot of equations . . . Physicists stand on the shoulders of mathematicians . . . and thus have to become very familiar with how to use them. In this class we will use two forms of equations, an algebraic version and a visual representation.

Algebraic	Visual
<p>Tends to be in a "line" with at least one equal sign</p> $y = mx$	<p>Tends to be in a "triangle" with NO equal sign</p> <p>NOTE: make sure that the product in the equation is along the bottom of the triangle.</p> 
<p>In order to use, plug in all givens or knowns and algebraically solve for the missing variable.</p> $x = \frac{y}{m}$	<p>In order to use, place a finger over the variable you are looking for, the rest of the equation will appear and that is the what you write down, substitute into and solve for.</p> $x = \frac{y}{m}$ 

EITHER METHOD SHOULD BRING YOU TO THE CORRECT EQUATION!