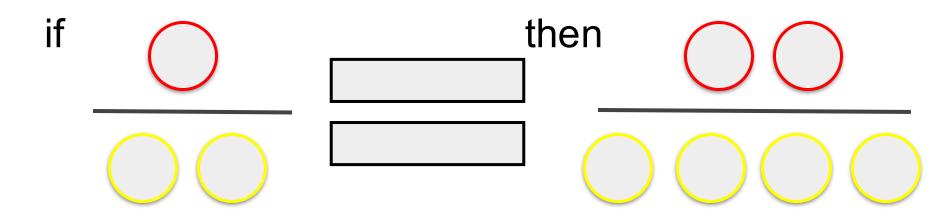
Math Scene Investigators

Ratio & Proportion Units



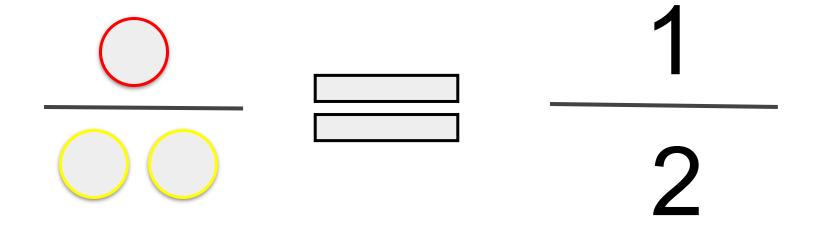
Proportion

when you have two equivalent ratios



Equivalence

means equal in value



Equivalence

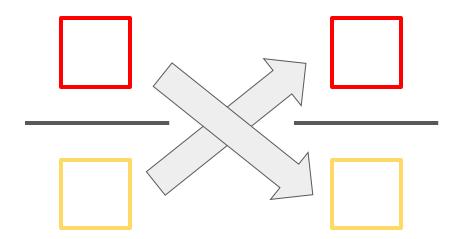
means equal in value





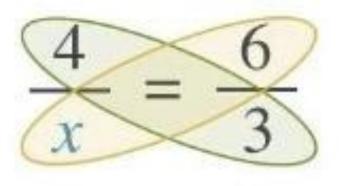
Cross Multiply

multiplying the top of the left ratio by the bottom of the right ratio, and the bottom of the left ratio by the top of the right ratio.



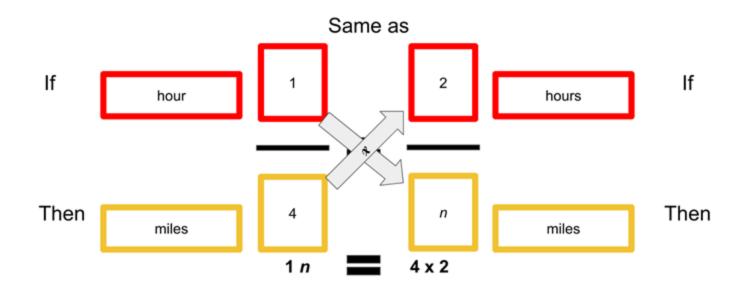
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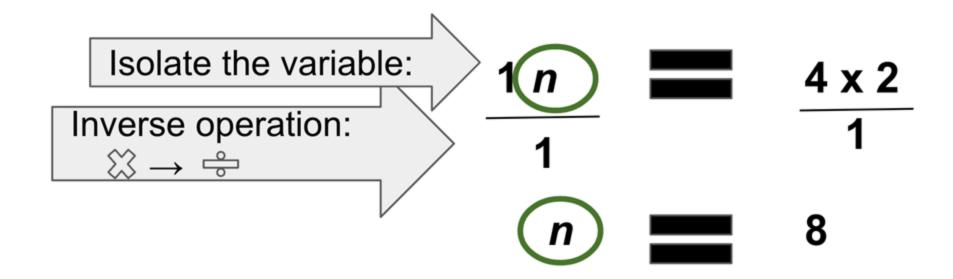


Isolate the variable

using an inverse operation to get a variable to be by itself

Isolate the variable

When solving for the unknown (variable) in an algebraic equation, the variable must appear by itself on one side of the equation. Inverse operations are used to isolate the variable



Inverse operation

the opposite operation that undoes the original operation

Inverse operation

The opposite operation undoes the original operation. For example, the opposite of multiplication is division. The opposite of addition is subtraction

