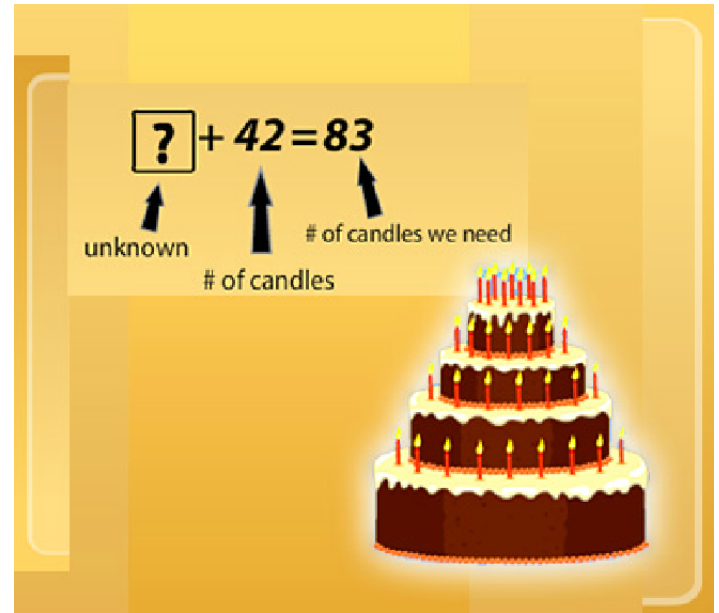


An equation is a mathematical sentence that says two expressions are equal. Using an equation, you can insert all of the information you know and solve for the information you need to know, which is called the variable.



## Key vocabulary

### equation

A mathematical statement in which one set of numbers or values is equal to another set of numbers or values.

### solution

A homogenous mixture in which substances are blended evenly. Or, the answer to a problem, an explanation.

### variable

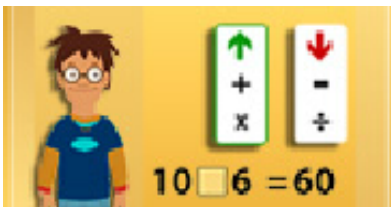
In mathematics, a variable is a symbol or letter that stands for one or more numbers.

## Related articles



### Multiplication & Division Equations

Equations are a great way to organize the information in a word problem, making it easier to figure out the answer.



### Determine the Missing Operation in an Equation

If your equation is missing its operation sign, you are in luck! There are only four choices addition, subtraction, multiplication or division.



### Creating Equations from Word Problems

Do word problems worry you? Not anymore. Once you can create and solve equations, word problems are a breeze.



### Relate Addition & Subtraction

Did you know that you can undo addition by using subtraction? And you can undo subtraction with addition, too. This neat little trick is called inverse operations.