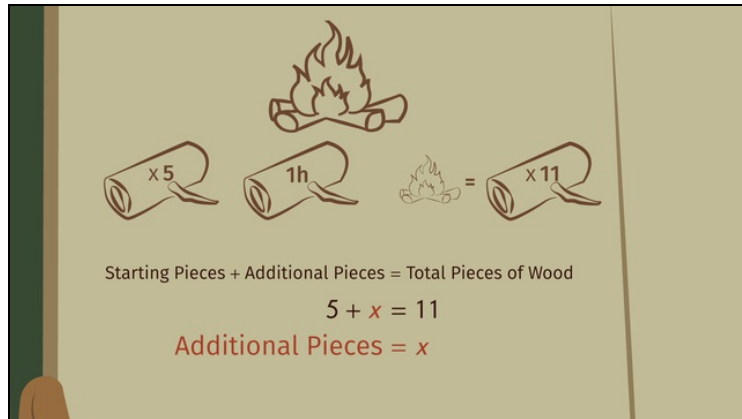




Printable Worksheets from [sofatutor.com](https://www.sofatutor.com)

What is a Variable?



- 1 Find the variable
- 2 Explain what a variable is.
- 3 Find the right equation
- 4 Find the words which can be represented by variables.
- 5 Establish the equation for the given word problems.
- 6 Write the equation.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.




The complete package, **including all problems, hints, answers, and detailed answer explanations** is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



Find the variable

Highlight the variable in the given equations.

 variable

$$\underset{\text{---}1\text{---}}{5} + \underset{\text{---}2\text{---}}{x} = \underset{\text{---}3\text{---}}{11}$$

$$\underset{\text{---}6\text{---}}{15} - \underset{\text{---}7\text{---}}{c} = \underset{\text{---}8\text{---}}{5}$$

$$\underset{\text{---}11\text{---}}{(4)} \underset{\text{---}12\text{---}}{(3)} = \underset{\text{---}13\text{---}}{s}$$



Hints for solving these problems

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of 6

Find the variable

Hint #1

A variable is often a letter, like x , y , or any other letter, and is used to represent an unknown quantity.

Hint #2

$+$ or $-$ are operators, while $=$ is a relation.



Answers and detailed answer explanations for these problems

1

of 6

Find the variable

Answer key: variable: 3, 8, 14

You can recognize a variable as it is usually a letter (you can also use symbols like a star or a smiley face, but maybe they aren't always the most convenient to use). Looking at our given equations, we can see that:

- x , y or a , b , c are variables.
- 10, 5 are numbers.
- $+$ or $-$ are operators.
- $=$ is a relation.

So let's examine the following equations:

- $5 + x = 11$

Here the variable is given by x .

- $15 - c = 5$

The variable c stands for the unknown number of coyotes.

- $(4)(3) = s$

s is the variable for the unknown number of rattle snakes.