

**Passports: Adventures in Learning  
Simply Algebra  
Curriculum Guide Grade 5-8**



**In your own words, define**

equation -

variable -

**For review, follow along with the tutorial link. It can be paused for discussion.**

Equation Tutorial  
<http://breeze5.21-learn.com/p47708529/>

**Practice**

Now, that you have participated in the Simply Algebra Passport session and viewed the tutorial above. Let's do some more practice. Write the equation for each real world problem and solve. Show your work.

Example:

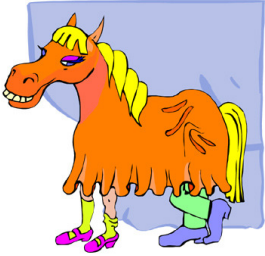
Sam bought a candy bar for 75¢ cents. He paid for the candy bar and got \$4.25 back in change. How much money did he give the cashier?

$$\begin{aligned}x - .75 &= 4.25 \\x - \cancel{.75} + .75 &= 4.25 + .75 \\x &= \$5.00\end{aligned}$$



1. There were 120 jelly beans in the jar. Almeda only likes the red ones and ate them all. After she ate all the red jellybeans. There were 98 jellybeans left. How many jelly beans did Almeda eat?

2. Gerald helped Juan move. He moved 17 boxes per trip in his pick up truck. He moved 68 boxes total. How many trips did he make?



3. Sara worked 20 hours at the costume shop. Before taxes, she made \$150.70 on her check. How much does Sara get paid per hour?

Create a word problem for the following equations and solve.

4.  $n + 14 = 22$

5.  $n - 18 = 36$

6.  $n - 51 = 73$

7.  $7n = 49$

8.  $12n = 60$

**ANSWERS:**

1.  $120 - n = 98$   $n=22$
2.  $17n=68$   $n=4$
3.  $22n=150.70$   $n=\$6.85$
4. 8
5. 54
6. 124
7. 7
8. 5