

What we did last day:

Handout on:

- equations vs. expressions
- solve equations with one variable term

What we are doing today

- Review of steps in solving equations
- Sample problem of solving equations with one variable term
- Activity:
 1. In a group of 2 or 3 work through the problems on the handout. Be sure **at least one person** in your group was here last day.
 2. When your group is confident they have figured the first problem send one person to get the answer. If you are correct move on to the next question. if not try to figure out the correction or come and get a hint.
 3. Once your group has completed all the problems then each person will get an exit card question which must be completed and handed in before you leave today.
 4. Complete home work from the website.

Sample problem

1. The weekly earning for a sales person is \$500 plus 15% of the value of their sales. The equation is:

$$E = 0.15v + 500$$

where: E represents total earnings per week

v represents value of sales

a) If you need to earn \$1000/week to cover all your expenses, what value of sales would you need to make?

1. The Cost of hosting a party at the A+ Arcade is \$15/person plus 100 for the room rental. The equation is:

$$C = 15x + 100$$

Where: C represents the cost

x represents the # of people attending the party.

a. How many people can you invite if you have \$500 to spend

2. The cost of getting your computer repaired is \$50 plus \$20/hour. The equation to calculate the cost is:

$$C = 20h + 50$$

Where :C represents the total Cost

h represents the # of hours spent fixing the computer.

a. How many hours did it take to fix the computer if the cost was \$120

3. The cost of taking a taxi is \$5 plus \$0.5/km. The equation to calculate the cost is:

$$C = 0.5d + 5$$

Where: C represents the total cost

d represents the number of kilometres driven

a. How far can you travel if you have \$30 to spend