

Station #1

Solve for y:

$$7y + 5 - 3y = -31$$

Station #2

$$8(t + 7) = 4(2t + 14)$$

Station #3

$$6(w - 5) - 3w = 20 + 3w + 10$$

Station #4

Your cable company charges \$39.95 plus \$9.99 for each upgrade. If your bill was \$69.92, how many upgrades did you get?

equation:

number of cd's:

Station #5

Two trains leave the station at the same time headed in opposite directions. If the first train is going 70 mpg and the second train is going 85 mpg, how many hours have they been traveling if they're 465 miles apart?

Station #6

$$\frac{2h - 6}{6} = \frac{2}{3}$$

Station #7

The scale of a map is 1 cm:50 mi. Determine the distance between two cities that are 4.2 cm apart on the map.

Station #8

The length of a rectangle is 5 inches more than its width. The perimeter of the rectangle is 50 inches. What are the dimensions?

length =

width=

equation:

Station #9

Consecutive Integer Problem The sum of three consecutive integers is 72. Find the integers.

Station #10

Better Buy

You can buy a skateboard for \$60 from a friend and rent the safety equipment for \$1.50 per hour. Or you can rent all items you need for \$5.50 per hour. How many hours must you use the skateboard to justify buying your friend's skateboard?

equation:

Station #11

If it takes you 3 hours to clean the house and your sister can do it in 2, how many hours will it take if you both do it together?