Write an equation and solve the problem.

A car salesman makes $450 per week, plus 9% commission from every car he sells. If he sells 3 cars at $24,000 each, how much did he earn? The next week, he earns $1500. How much (in dollars) did he sell?

Two buses leave Dallas at the same time and travel in opposite directions. One bus averages 58 mi/h, and the other bus averages 52 mi/h. When will they be 363 mi apart?

The length of a rectangle is 5 cm greater than its width. The perimeter is 106 cm. Find the dimensions of the rectangle.

The cost of renting a car is 23.95 per day and 35 cents per mile. Find the cost of renting a car for a day when the car is driven 50 miles.

The sides of a triangle are in the ratio of 2:8:4. If the perimeter is 27 in, what is the length of each side of the triangle?

Find two consecutive odd integers whose sum is 96.

The measure of the complement of an angle is 15° more than twice the angle. Find the measures of the angles.