

Word Problems Workshop Review Solutions

1) Three consecutive odd integers add to 117. What are the three odd integers?

The three consecutive integers are 37, 39, and 41.

2) Two consecutive integers add to 163. What are the two consecutive integers?

The two consecutive integers are 81 and 82.

3) A gardener has a plot 7 feet by 11 feet to plant vegetables. How much area does the gardener have to plant?

The area of the garden plot is 77 ft^2 .

4) Your new round table has a radius of 4ft. What is the area of the tabletop?

The area of the tabletop is 50.26 ft^2 .

5) A doctor has prescribed 100 mg of 15% cough syrup for a patient. The pharmacist only has 10% and 30% on hand. How much should he mix of each to obtain the doctor's prescription?

The pharmacist needs 75 mg of the 10% and 25 mg of the 30% cough syrup.

6) A chemical company needs 50 liters of a 22% oxide solution. Unfortunately, all they have on hand now is a 9% and a 34% solution. How much each should be mixed to obtain the company needs?

The chemical company must mix 24 liters of the 9% and 25 liters of the 34% solution.