

Name: _____ Date: _____

Proportion Word Problems

1. If 2 cubic feet of sand weighs 90 pounds, how much does 5 cubic feet of sand weigh?

225 lbs

2. If there are 560 calories in 8 ounces of meat, how many calories are in 3 ounces of meat?

210 calories

3. If pencils sell at 6 for \$.59, how many pencils can be bought for \$2.95?

30 pencils

4. A car travels 350 miles on 20 gallons of gasoline. How many gallons will be used to travel 875 miles under the same conditions?

50 gallons

5. The ratio of oil to vinegar in a salad dressing is 8:5. How much oil must be blended with 7 liters of vinegar for that recipe?

11.2 liters

6. If 1 gallon of paint covers 450 square feet, how many gallons are needed to paint a room with 675 square feet of wall surface?

1.5 gallons

7. A flagpole casts a shadow 32 feet long. If a man 6 feet tall casts a shadow 8 feet long at the same time and location, how tall is the flagpole?

24 ft

8. At a certain college, the ratio of men to women is 5 to 4. If there are 2800 men, how many women are there?

2240 women

9. 3.6 grams of salt will dissolve in 10 grams of water. How many grams of salt will dissolve in 1000 grams of water?

360 grams of salt

10. A photograph is 25 cm wide and 20 cm high. It must be reduced to fit a space that is 8 cm high. Find the width of the reduced photograph.

10 cm wide

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11. Tom runs the 50 yard race in 6 seconds. At the same speed, how long will it take him to run 75 yards?

9 seconds

12. Mamie saved \$35 in 4 weeks. At the same rate, how much will she save in 6 weeks?

\$ 52.50

13. A train is traveling at the rate of 75 miles per hour. At the same speed, how far will it travel in 40 minutes?

50 miles

14. Frank's best time in running 100 yards is 9.2 seconds. At the same rate, how many seconds will take him to run 220 yards?

20.24 seconds