

Practice: Proportion Problems | Date: _____

1. A titanium sample has a volume of 380 cm^3 and a mass of 1710 grams. Find the mass of a titanium sample that has a volume of 532 cm^3 .

Words	Proportion	Answer	Statement

2. A recipe for salad dressing uses 60 mL of vinegar for 240 mL of oil. If Emily only has 40 mL of vinegar, how much oil should she use?

Words	Proportion	Answer	Statement

3. If there are 560 calories in 8 ounces of meat, how many calories are in 10 ounces of meat?

Words	Proportion	Answer	Statement

4. If 2 ft^3 of sawdust weighs 25 pounds, how much does 9 ft^3 of sawdust weigh?

Words	Proportion	Answer	Statement

5. A certain hose delivers 5 gallons of water in 24 seconds. How much water will the hose deliver in 10 minutes?

Words	Proportion	Answer	Statement

6. The ratio of the weight of an object on Mars to its weight on Earth is 9 to 25. If a person weighs 135 pounds on Earth, how much will that person weigh on Mars?

Words	Proportion	Answer	Statement

7. In 2005, the band U2 sold out two concerts in Dublin, Ireland. 48 000 tickets were sold in the first 15 minutes. Assuming that the tickets sold at a constant rate, how many tickets were sold in 50min?

Words	Proportion	Answer	Statement

8. The Bigtown football team outscored its opponents 5:2 last season. If their opponents scored 38 points, how many points did Bigtown score?

Words	Proportion	Answer	Statement

Answers:

- 1) 2394 grams 2) 160 mL 3) 700 calories 4) 112.5 lbs
 5) 125 gallons 6) 48.6 lbs 7) 160 000 tickets 8) 95 points