

1 To make his special salad dressing, Wolfgang combines 7 fl oz of oil with 4 fl oz of vinegar. One day he needed 153.4 min a larger amount, so he used 8 fl oz of oil. How much vinegar did he need? 36 2 The ratio of height to width for a TV screen is 9 to 16. 4.9 in. How high is a screen that is 30 in. wide? 2.3 gal **3** GEAR RATIO. The ratio of the number R 18.3 g of teeth on Gear A to the number of teeth on Gear B is 5 to 12. How many 0.7 cm teeth are on Gear B? 000000000000000 (Hint: Count the teeth on Gear A.) 3 qt Jessica checked her gas mileage and found that she had 4.6 fl oz used 17.4 gal of gas to travel 392 mi. At this rate, how many gallons will she use to travel from Los Angeles to H 42 Miami, a distance of 2,735 mi? 121.4 gal 5 If there are 95 g of fat in 16 oz of ground beef, how much N 2.5 gal fat is in 3 oz of ground beef? U 0 3.5 in. 6 A locomotive is 56 ft long and 11 ft wide. A special effects designer makes a model that is 18 in. long. How wide 5.2 fl oz should it be? 150.2 min 7 The Screaming Equals' team color is made by mixing red paint with blue paint in a ratio of 12 to 7. How much 16.9 in. blue paint should be mixed with 4 gal of red? № 2.8 qt **8** A marathon runner ran the first 3 mi in 17.2 min. If she continues running at this pace, how long will it take her 17.8 g to run the entire marathon of 26.2 mi? E $0.2~\mathrm{cm}$ 9 SOLAR SYSTEM MODEL. The sun has a diameter of 124.5 gal 870,000 mi. The Earth has a diameter of 8,000 mi. If a 24-cm-diameter basketball is used as a model sun, what should be the diameter of the model Earth? 24 ft 15 ft 10 If it took 1.5 qt of paint to paint the wall on the left, how many quarts will be 10 ft 8 ft needed to paint the wall on the right?

8

9

10

7.7 What Did the Detectives Say to the Crook?

Show all work here. Set up *labeled* proportions for each problem.

1	2
3	4
5	6
7	8
9	10