Independent Practice

Solve each proportion. (Examples 1 and 2)

1. $\dfrac{1.5}{6} = \dfrac{10}{p}$ $p =$

2. $\dfrac{44}{p} = \dfrac{11}{5}$ $p =$

3. $\dfrac{2}{w} = \dfrac{0.4}{0.7}$ $w =$

Assume the situations are proportional. Write and solve by using a proportion. (Examples 1 and 2)

4. Evarado paid $1.12 for a dozen eggs at his local grocery store. Determine the cost of 3 eggs.

5. Sheila mixed 3 ounces of blue paint with 2 ounces of yellow paint. She decided to create 20 ounces of the same mixture. How many ounces of yellow paint does Sheila need for the new mixture?

Assume the situations are proportional. Use the unit rate to write an equation, then solve. (Examples 3 and 4)

6. A car can travel 476 miles on 14 gallons of gas. Write an equation relating the distance d to the number of gallons g. How many gallons of gas does this car need to travel 578 miles.

7. Mrs. Baker paid $2.50 for 5 pounds of bananas. Write an equation relating the cost c to the number of pounds p of bananas. How much would Mrs. Baker pay for 8 pounds of bananas?

8. A woman who is 64 inches tall has a shoulder width of 16 inches. Write an equation relating the height h to the width w. Find the height of a woman who has a shoulder width of 18.5 inches.

16 in.

64 in.