

CHAPTER
5

Practice Quiz A
Sixth Grade

1. There are 12 hamsters, 7 fish, and 5 birds in Cindy's house. Write the ratio of fish to birds in as a ratio in all three forms.

Write all ratios in simplest form.

3. Elizabeth drove 364 miles using 14 gallons of gas. What is the unit rate (miles per gallon) in fraction form?

Show how you got your answer below and include correct units on your answer.

* * * * *

2. On a recent trip, Earl drove 364 miles and used 13 gallons of gasoline. Find the unit rate.

Show your work below and include the correct units on your answer.

* * * * *

4. Convert 136 ounces to pounds.
Show your work below. Include the correct units on your answer.

5. Which of the following ratios are proportional?

Show your work below by proving why each pair is or is not proportional:

A. $\frac{3}{8}, \frac{9}{24}$

B. $\frac{11}{17}, \frac{17}{23}$

C. $\frac{3}{4}, \frac{8}{9}$

D. $\frac{15}{22}, \frac{45}{66}$

6. Find the missing numbers in the equivalent ratios:

$$\frac{4}{7}, \frac{12}{x}, \frac{y}{63}$$

$x =$ _____

$y =$ _____

* * * * *

7. If it costs \$4.40 to purchase 8 cupcakes, how much would it cost to purchase 3 cupcakes?

Set up your problem as a proportion and solve the problem below. Write your answer with correct units.