Name _____

Find Unit Rates

COMMON CORE STANDARD—6.RP.2
Understand ratio concepts and use ratio reasoning to solve problems.

Write the rate as a fraction. Then find the unit rate.

1. A wheel rotates through 1,800° in 5 revolutions.

$$\frac{1{,}800^\circ}{5 \text{ revolutions}}$$

$$\frac{1{,}800^\circ \div 5}{5 \text{ revolutions} \div 5} = \frac{360^\circ}{1 \text{ revolution}}$$

2. There are 312 cards in 6 decks of playing cards.

_____

3. Bana ran 18.6 miles of a marathon in 3 hours.

_____

4. Cameron paid $30.16 for 8 pounds of almonds.

_____

Compare unit rates.

5. An online game company offers a package that includes 2 games for $11.98. They also offer a package that includes 5 games for $24.95. Which package is a better deal?

_____

6. At a track meet, Samma finished the 200-meter race in 25.98 seconds. Tom finished the 100-meter race in 12.54 seconds. Which runner ran at a faster average rate?

_____

7. Elmer Elementary School has 576 students and 24 teachers. Savoy Elementary School has 638 students and 29 teachers. Which school has the lower unit rate of students per teacher?

_____

8. One cell phone company offers 500 minutes of talk time for $49.99. Another company offers 480 minutes for $44.99. Which company offers the better deal?

_____

Problem Solving Real World

9. Sylvio's flight is scheduled to travel 1,792 miles in 3.5 hours. At what average rate will the plane have to travel to complete the trip on time?

_____

10. Rachel bought 2 pounds of apples and 3 pounds of peaches for a total of $10.45. The apples and peaches cost the same amount per pound. What was the unit rate?

_____