5.3 A Unit Rate Practice

Name _____ Period _____

Write a unit rate for the situation.

1. 6 kittens in 3 boxes

2. $96 for 16 hours of work

3. 72 biscuits from 9 batches

4. 1800 revolutions in 50 seconds

5. 12 cans for 6 people

6. 27 outs in 9 innings

7. 85 drops in 5 minutes

8. 36 children from 12 families

Decide whether the rates are equivalent by finding the unit rate for each situation.

9. 35 kilometers in 25 minutes,
14 kilometers in 10 minutes

10. $3 for 25 minutes,
$6 for 1 hour

Solve each problem by finding the unit rate for each situation.

11. Kathleen, a florist, designs 5 bridesmaid bouquets with 95 rose stems. She also creates 3 bouquets with 63 tulips for the flower girls. Which type of bouquet was designed with lesser number of flowers?

12. Lightning strikes Earth 1000 times in 10 seconds. How many times does lightning strike per second?

13. Four business class railcars in Acela express has a total capacity of 260 passengers. How many passengers can travel per railcar?

14. Andre, Rick, and Ty were practicing for a track cycling race. Andre covered a distance of 750 m in 3 minutes. Rick clocked 4 minutes for a distance of 800 m. Ty raced 950 m in 5 minutes. Who covered the least distance per minute?

Andre's unit rate

Rick's unit rate

Ty's unit rate