# 5.3A   Unit Rate Assignment

Name _____ Period _____

**Write a <u>unit rate</u> for the situation.**

1. $44 in 4 days

2. 12 haircuts in 4 hours

3. 256 heartbeats in 4 minutes

4. 15 liters in 3 minutes

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

5. 17 heartbeats in 15 seconds,
   68 heartbeats in 60 seconds

6. 96 miles on 4 gallons,
   380 miles on 16 gallons

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

7. Jessica bakes 112 muffins in 7 batches. How many muffins does each batch contain?

8. Simon neatly arranges 352 radio-controlled cars in 16 rows on the shelf. Find the number of cars placed in each row.

9. Henry is an avid reader. He devours 90 pages in half-an-hour. How many pages has Henry read per minute?

10. On New Year's Eve, the temperature fell by 24 degrees in a span of 6 hours. By how many degrees did the temperature fall every hour?

11. The table shows the numbers of laps different students swam.

| Student | Laps | Time (min) | Unit Rate |
|---------|------|------------|-----------|
| Carrie  | 15   | 20         |           |
| Dawn    | 24   | 30         |           |
| Chad    | 9    | 15         |           |
| Tyson   | 16   | 32         |           |

How many more laps per minute did Carrie swim than Dawn?

How many more laps per minute did Chad swim than Tyson?

How many more laps per minute did Tyson swim than Carrie?

How many more laps per minute did Dawn swim than Chad?