

Lesson 1 Homework Practice

Rates

Find each unit rate. Round to the nearest hundredth if necessary.

1. \$11.49 for 3 packages

2. 2,550 gallons in 30 days

3. 88 students for 4 classes

4. 15.6°F in 13 minutes

5. 175 Calories in 12 ounces

6. 258.5 miles in 5.5 hours

7. 549 vehicles on 9 acres

8. \$920 for 40 hours

9. 13 apples for 2 pies

10. **MANUFACTURING** A machinist can produce 114 parts in 6 minutes. At this rate, how many parts can the machinist produce in 15 minutes?

11. **RECIPES** A recipe that makes 8 jumbo blueberry muffins calls for $1\frac{1}{2}$ teaspoons of baking powder. How much baking powder is needed to make 3 dozen jumbo muffins?

Estimate the unit rate for each item. Justify your answers.

12. \$299 for 4 tires

13. 3 yards of fabric for \$13.47

14. UTILITIES Use the table that shows the average monthly electricity and water usage.

a. Which family uses about twice the amount of electricity per person than the other two families? Explain your reasoning.

Family Name	Family Size	Electricity (kilowatt-hours)	Water (gal)
Melendez	4	1,560	3,500
Barton	6	2,130	6,400
Stiles	2	1,490	2,500

b. Which family uses the least amount of water per person? Explain your reasoning.