

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.

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

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

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