

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

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.

NAME _____ DATE _____ PERIOD _____