

Math Quiz –6.1 Rate and Proportions (7th)

You are planning to sell items at a concession stand. In order to price properly, please find the unit rate of cost for 1 of these items. Use the chart to help you. Round to the nearest cent if necessary.

Item	Quantity	Total Price
Apples	3.5 pounds	\$4.90
Paper Plates	150	\$4.50
Potato Salad	60 ounces	\$12.57
Hot Dog Buns	50	\$17.50
Hot Dogs	64	\$26.24
Cookies	125	\$11.25

1. price of 1lb of apples
2. cost per paper plate
3. cost per cookie
4. price of 1 oz of potato salad
5. price of 1 hot dog with 1 bun

Name: _____

Write a proportion and then tell answer the yes/no question below.

6. Elena uses 9 gallons of gas when she drives 225 miles on the highway. Jerry uses 7 gallons of gas when he drives 175 miles on the highway. Do these two cars get the same gas mileage?

7. Dan scored 6 points in his basketball game while only playing 12 minutes. Rob scored 10 points while only playing 18 minutes. Did they score at the same rate?

Solve for the variable.

8. $0.9/3.6 = 1.2/y$

9. $5/6 = n/48$