

6.1 Learning Opportunity

Problem Solving: Unit Rate



Name: _____

- 1) It took Lucca 72 seconds to climb the 18 foot rock wall shown. What is Lucca's unit rate in feet per second?



- 2) Elle and Grace defended their base during an intense laser tag battle. The game lasted 15 minutes and their team won with a total score of 27,000 points. Express the rate they scored points as a unit rate, points per minute.



- 1) Adrianna earned \$75 for tutoring for 5 hours. What is her hourly rate (dollars per hour)? How much would she expect to earn if she tutored for 12 hours?

- 4) Chloe is baking a cake. The recipe calls for $1\frac{1}{2}$ cups of sugar and makes 12 serving. How much sugar is in a single serving?

How much sugar would Chloe need to bake a much larger cake to serve 30 people?



- 5) Express $\frac{180 \text{ miles}}{8 \text{ gallons of gas}}$ as a unit rate (miles per gallon).

If this car has a 22 gallon gas tank, how far should the owner be able to drive on a full tank of gas?

- 6) If 4 donuts cost \$1.20, how much should 9 donuts cost?

