

6A.3 Learning Opportunity

Name: _____



Problem Solving: Proportions

- 1) On the map Eleanor is using, 2 centimeters represents 75 kilometers. Eleanor measures the distance between two cities on the map with a ruler and finds that the cities are 9 centimeters apart. What is the actual distance between the two cities in kilometers?



- 2) At the amusement park, 4 adult tickets cost \$196. How much would 6 adult tickets cost?
- 3) Thirty-eight people ride a popular Ferris wheel. The ride lasts three minutes. Then the Ferris wheel slowly rotates to allow the thirty-eight riders to safely exit as thirty-eight new riders get on for the next ride. It takes two minutes to safely load and unload passengers. If the ride operator repeats this cycle for one hour, how many people can ride the Ferris wheel?
- 4) The Goldberg family boarded their dog at the amusement park's kennel. The kennel charges \$5.75 an hour. If the dog is boarded from 9 A.M. to 5 P.M., what are the kennel charges?



5) The Levy family paid \$43.50 for 15 gallons of gasoline. How much should they expect to pay for 20 gallons of gasoline?

6) At the entrance to the park, a photographer takes 15 pictures every 6 minutes. At this rate, how many pictures will he take in 90 minutes?

7) A 20-ounce soda costs \$3. At this rate, how much would a 32-ounce soda cost?

8) Due to road construction, the Hagenbuckle family are only able to travel 175 miles in 5 hours. At this rate, how long will it take them to drive 630 miles?

