

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Problem Solving - Ratios and Rates

<p>1. A truck driver drives from Chicago to Cincinnati in 14 hours. The distance traveled is 840 miles. Write the average speed as a unit rate in fraction form.</p>	<p>2. During the 2001 WNBA season, the Los Angeles Sparks had 28 wins and only 4 losses. Write the ratio of wins to games played in simplest form three ways.</p>
<p>3. For every 300 people surveyed in 2002, 186 said their favorite Winter Olympic sport was figure skating. Write this ratio in simplest form.</p>	<p>4. In 2000, George W. Bush received 271 electoral votes, Al Gore received 266 and 1 elector abstained from voting. Write the ratio of Bush's electoral votes to total electoral votes in simplest form.</p>
<p>5. There are 62 girls in the seventh grade and 58 boys in the eighth grade. Each grade has 120 students. Which statement correctly compares the ratio of boys to total students in each grade?</p> <p>A. The eight grade ratio is greater. B. The seventh grade ratio is greater. C. The eighth grade ratio is lesser. D. Both ratios are equal.</p>	<p>6. Matt has 6 video racing games and 8 video sport games. Write the ratio of racing games to video games in simplest form.</p>
<p>7. What is 20 pounds per 5 gallons as a unit rate?</p> <p>A. <math>\frac{20lb}{1gal}</math> B. <math>\frac{5lb}{1gal}</math> C. <math>\frac{4lb}{1gal}</math> D. <math>\frac{20lb}{5gal}</math></p>	<p>8. Last year Yeh grew 4 inches in 8 months. How much did she grow per month?</p> <p>A. <math>\frac{1}{2}</math> inch B. 4 inches C. 1 inch D. 2 inches</p>