

College Mathematics
rate and percent review

<p>1.</p> <p>A tank holds 17 gallons. A jug holds 5 gallons.</p> <p>(a) A tank is _____ jug(s).</p> <p>(b) A jug is _____ tank(s).</p> <p>Jack weighs 220 pounds. Jill weighs 120 pounds.</p> <p>(c) Jack weighs ____ of Jill's weight.</p> <p>(d) Jill weighs ____ of Jack's weight.</p>	<p>2. Fill each blank with a <i>fraction</i>, whole number, or <i>mixed number</i>.</p> <p>(a) There are 3 pizzas for 8 people. There is ____ pizza per person.</p> <p>(b) There are 8 pizzas for 3 people. There are ____ pizzas per person.</p> <p>(c) You went 250 miles in 4 hours. You were going ____ miles per hour.</p> <p>(d) You went 21 miles in 700 hours. You were going ____ mile per hour.</p>
<p>3. Convert each percent to decimal:</p> <p>(a) 4%</p> <p>(b) 47%</p> <p>(c) 450%</p> <p>(d) 70%</p> <p>(e) 0.3%</p>	<p>4. Convert each decimal to percent:</p> <p>(a) 0.08</p> <p>(b) 0.4</p> <p>(c) 0.007</p> <p>(d) 37.2</p> <p>(e) 0.059</p>
<p>5.</p> <p>(a) What is 70% of \$8000?</p> <p>(b) What is 450% of 20 miles?</p> <p>(c) What is 0.3% of 8000 kilograms?</p>	<p>6.</p> <p>(a) Amy weighs 125 pounds. Amy can lift 350 pounds. What percent of her own weight can Amy lift?</p> <p>(b) Bobbie is on a 2100-mile road trip. She has gone 14.7 miles. What percent of her trip has she gone?</p> <p>(c) The county tax on a \$17,000 car is \$42.50 This tax is what percent of the car price?</p> <p>(d) In 2000, Manor had 1,200 residents. In 2008, Manor had 5,500 residents. The 2008 population is what percent of the 2000 population?</p>