

Lesson 3 Problem-Solving Practice

The Percent Proportion

<p>1. DRIVING Mudrik installed a device on his car that guaranteed to increase his gas mileage by 15%. He currently gets 22 miles per gallon. How much will the gas mileage increase after installing the device?</p>	<p>2. POPULATION The number of students at Marita's school decreased to 98% of last year's number. Currently, there are 1,170 students. How many students were there last year? Round to the nearest whole number.</p>
<p>3. VOTING Yolanda's club has 35 members. Its rules require that 60% of them must be present for any vote. At least how many members must be present to have a vote?</p>	<p>4. GARBAGE This month, Chun's office produced 690 pounds of garbage. Chun wants to reduce the weight of garbage produced to 85% of the weight produced this month. What is the target weight for the garbage produced next month?</p>
<p>5. SALARIES Yara just received a 6% raise in salary. Before the raise, she was making \$52,000 per year. How much more will Yara earn next year?</p>	<p>6. SPORTS Sally's soccer team played 25 games and won 17 of them. What percent did the team win?</p>