

Solving Problems using Proportional Reasoning

Name _____

Date _____

For each problem, set up a proportion. Include the units for each ratio. Then solve for the missing value and label your answer with appropriate units. Round answers to the nearest tenth.

<p>1. Sam raked 3 bags of leaves in 16 minutes. If he continues to work at the same rate, about how long will it take him to rake 5 bags?</p>	<p>Proportion with Units</p> <p>_____ = _____</p>	<p>Work + Solution</p>
<p>2. Amy earned \$25 after babysitting for 3 hours. If she always charges the same rate, how much will she make after working for 7 hours?</p>	<p>Proportion with Units</p> <p>_____ = _____</p>	<p>Work + Solution</p>
<p>3. A 2-month membership to the gym costs \$125. Jim would like to be a member for 8 months. What is the total amount he will pay for 8 months?</p>	<p>Proportion with Units</p> <p>_____ = _____</p>	<p>Work + Solution</p>
<p>4. Bobby drove 110 miles, and his car used up 5 gallons of gas. How many miles can he drive with 16 gallons of gas?</p>	<p>Proportion with Units</p> <p>_____ = _____</p>	<p>Work + Solution</p>
<p>5. Mary ran 2 miles in about 23 minutes. If she continued at the same pace, how long will it take her to run 10 miles?</p>	<p>Proportion with Units</p> <p>_____ = _____</p>	<p>Work + Solution</p>

Fraction-Decimal-Percent

Conversion Chart

Name _____

Decimal	Fraction	Percent
		18%
		28%
		78%
		96%
		50%
	$\frac{3}{10}$	
	$\frac{2}{5}$	
	$\frac{1}{4}$	
	$\frac{11}{20}$	
	$\frac{1}{5}$	
0.35		
0.75		
0.8		
0.04		
0.65		