

Proportional Word Problems

Directions: Set up a key and proportion first, then use the most efficient strategy to solve each proportion. Incorrect responses will become Red and Correct responses will reveal the mystery puzzle!

<p>1. If milk cost \$4.16 per gallon, how much would 3 gallons of milk cost?</p>	<p>2. In order to determine her pulse rate, Joeun's nurse counted 18 beats in 15 seconds. At this rate, how many beats would she have in 1 minute and 30 seconds?</p>	<p>3. The ratio of dogs to cats at a local animal shelter is 3 to 2. If there are 14 cats, how many dogs are there?</p>	
<p>4. Last summer, Henry mowed lawns to earn some money. He was able to mow 4 lawns in 6 hours. How long will it take him to mow 6 lawns?</p>	<p>5. A map uses a scale of 2 inches for every 25 miles. If the town is 10 miles wide, how many inches is it on the map?</p>	<p>6. Will's electric bill is \$157.53 for 2 months. At this rate, what will his electricity cost for 1 year?</p>	
<p>7. Ryan earned \$112.50 for 8 hours of work. At this rate, how much will he earn for 40 hours of work?</p>	<p>8. Theo is baking and the recipe calls for 2 1/2 cups of sugar for 3 dozen cookies. At this rate, how many cups of sugar are needed to bake 4 dozen cookies?</p>	<p>9. Allison can do 8 burpies in 30 seconds. At this rate, how many can she do in 2 minutes?</p>	
<p>10. Emily answered 12 questions in 30 minutes. At this rate, how long will it take her to complete 18 questions?</p>	<p>11. It took Mr. Harmon 22 minutes to run 2 miles. At this rate, how long will it take him to run 4 1/2 miles?</p>	<p>12. A bakery charges \$28 for 12 cupcakes. At this rate, how much would 18 cupcakes cost?</p>	