

**Solve each proportion. Show work.**

1. On a map, 1.5 inches represents 60 miles. How many miles will 4 inches represent?

2. Sam's car used 8 gallons of gas for trip of 132 miles. How much gas will be needed for a trip of 363 miles?

3. If 6 bricks weigh 21 pounds, how many bricks will there be in a bundle weighing 378 pounds?

4. A 200 foot roll of wire weighs 75 pounds. How much wire is in a roll weighing 420 pounds?

5. Sixteen tons of coal are needed to fuel a generator for 40 days. At this rate, how long will 98 tons last?

6. A package of 36 bolts weighs 2.4 pounds. The weight of bolts in a box is 20 pounds. How many bolts are in the box?

<p>7. A train traveled 90 miles in 1.5 hours. How many miles will it travel in 6 hours going the same rate?</p>	<p>8. The distance between two cities is 1500 kilometers. Find how far apart they are on a map with a scale that reads: “ 1 cm represents 500 km”.</p>
<p>9. A recipe for a two-pound cake calls for one and half cups of butter. How many cups of butter will be needed for a five pound cake?</p>	<p>10. A nurse, checking the heart rate of a patient, counted 19 beats in 15 seconds. How many heart beats would there be in 60 seconds?</p>
<p>11. In a certain city, 0.7 cm of rain fell in 3 hours. How many centimeters of rain would fall in 9 hours at the same rate?</p>	<p>12. A pitcher allowed 10 earned runs in 15 innings. At this rate, how many runs would the pitcher allow in 9 innings?</p>
<p>13. A jet has a cruising at a speed of 595 miles per hour. How long will it take to travel at his rate for 3300 miles?</p>	<p>14. Wall paper to cover 55 square feet costs \$16. How much will it cost to buy wallpaper to cover a wall with an area of 330 square feet?</p>