2-6 Word Problem Practice
Ratios and Proportions

1. WATER A dripping faucet wastes 3 cups of water every 24 hours. How much water is wasted in a week?

21 cups

2. GASOLINE In November 2010 the average cost of 5 gallons of regular unleaded gasoline in the United States was $14.46. What was the average cost for 16 gallons of gas? **$46.27**
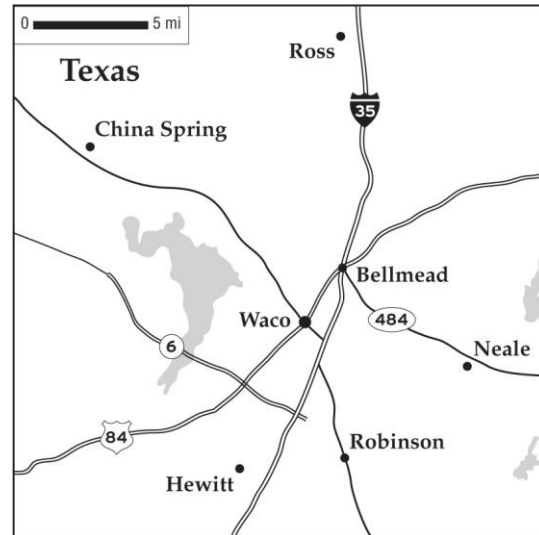
3. SHOPPING Stevenson's Market is selling 3 packs of toothpicks for $0.87. How much will 10 packs of toothpicks cost at this price? Round your answer to the nearest cent.

$2.90

4. BUILDINGS Willis Tower in Chicago is 1450 feet tall. The John Hancock Center in Chicago is 1127 feet tall. Suppose you are asked to build a small-scale replica of each. If you make the Willis Tower 3 meters tall, what would be the approximate height of the John Hancock replica? Round your answer to the nearest hundredth.

about 2.33 meters

5. MAPS A map of Waco, Texas and neighboring towns is shown below.

a. Use a metric ruler to measure the distances between Robinson and Neale on the map.

 2 cm

b. Using the scale of the map, find the approximate actual distance by air (not by roads), between Robinson and Neale.

 about 6.67 miles

c. Approximately how many square miles are shown on this map? **about 544.4 square miles**