Lesson 7.4 Practice: Scale Drawings and Maps

School Launch · Pre-Algebra · Unit 7: Ratios, Rates and Proportions · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. On a map, 1 inch represents 20 miles. Two towns are 5 inches apart on the map. How far apart are they? EASY

2. On a map, 1 inch represents 25 miles. Two towns are 14 inches apart on the map. How far apart are they? EASY

3. On a map, 1 inch represents 25 miles. Two towns are 5 inches apart on the map. How far apart are they? EASY

4. On a map, 1 inch represents 20 miles. Two towns are 14 inches apart on the map. How far apart are they? MEDIUM

5. On a map, 1 inch represents 50 miles. Two towns are 8.5 inches apart on the map. How far apart are they? MEDIUM

6. On a map, 1 inch represents 25 miles. Two towns are 12 inches apart on the map. How far apart are they? MEDIUM

7. On a map, 1 inch represents 25 miles. Two towns are 3 inches apart on the map. How far apart are they? MEDIUM

8. On a farm plan, 1 inch stands for 25 feet. The barn is drawn 3 in by 1.5 in. What is the real floor area of the barn in square feet? HARD

9. On a farm plan, 1 inch stands for 25 feet. The barn is drawn 2.5 in by 3 in. What is the real floor area of the barn in square feet? HARD

10. On a farm plan, 1 inch stands for 20 feet. The barn is drawn 5.5 in by 3 in. What is the real floor area of the barn in square feet? HARD