SCALE DRAWINGS

For problems #1 – 2, use the following scale... | 5 cm : 2 miles |

1) The distance on the map between Yappy City and Quiet City is 23 cm. What is the actual distance between the cities?

2) The famous "math" water fountain is just 5 miles away from the high school. How far is the fountain away from the school on the map?

3) A tower that is 3,500 meters tall is represented on a scale drawing and is 14 inches tall. What is the scale on the scale drawing?

4) A blueprint shows the master bedroom to be 5 inches long and 3 inches wide. The scale on the blueprint is 2 in : 11 ft. What are the actual length and width of the master bedroom? (HINT: Use two different proportions!)

5) A baseball player is 6 ft tall. His collectible figurine is just 4 inches tall. What is the scale of the collectible figurine?

6) The scale on a map is 4 cm : 125 Km. The distance from the Scale Drawing Junior High School to the shore is 350 Km. What is the map distance from the JHS to the shore?

7) The scale on a blueprint is ½ in : 6 ft. The height of the living room ceiling is shown as 1 ½ in. on the blueprint. How high should the living room ceiling really be?

Other proportion review:

8) Eight boxes of baseballs cost $27.60. How much will it cost Mickey to buy three boxes of baseballs?

9) If 5 cans of MathJuice contain 120 grams of sugar, how many grams of sugar are in a case (24 cans) of MathJuice?

10) A flagpole casts a shadow that is 12 ft long. A 6-ft tall man casts a shadow that is 8 ft long. The two triangles created are similar. How tall is the flagpole? (HINT: Draw a picture first!)