Scale Drawings – Worksheet #1

For problems #1 – 2, use the following scale...  

2 in : 35 miles

1) The distance between Troy City and Ben City is 315 miles. How far apart are they on the map?

2) Marking City is 5 inches away from Jamming City on the map. What is the actual distance between the two cities?

3) A blueprint of a house has a scale of 1 in : 6 ft. The living room has dimensions of 18 ft by 24 feet. What are the dimensions on the blueprint of the living room? (HINT: Use two different proportions!)

4) A model of a car has a scale of 3 cm : 2 m. The length of the actual hood of the car is 1 m. What is the length of the hood of the model?

5) A 120-ft long playground is just 15 in. on the scale drawing. What is the scale on the scale drawing?
6) The scale on a map is $\frac{1}{4}$ in : 18 mi. The state capital is 252 miles from the border. How far is the state capital from the border on the map?

7) A model length of 12 cm. represents an actual length of 102 ft. What is the scale for the model?

Other proportion review:

8) Jenny can type 1,200 words in just 15 minutes. How many words can she type in an hour?

9) A tree casts a shadow that is 24 ft long. A 4-ft tall young boy casts a shadow that is 3 ft long. The two triangles created are similar. How tall is the tree? (HINT: Draw a picture first!)

10) Given: $\triangle ABC \sim \triangle DMV$; $DM = \underline{\hspace{2cm}}$

![Diagram of triangles ABC and DMV]