

# 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?

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

