**Scale Drawings and Scale Factor Practice**

1. A model plane was designed using a scale factor of 1:48. If the wingspan of the model is 18 inches, what is the wingspan of the plane in feet?

2. A model railway train was designed using a scale factor of 1:87. If the model train is 11 inches, how many feet long is the actual train?

3. A shark figurine was created using a scale factor of 1:38. If the figurine is 20 cm long, how many meters long is the actual shark?

4. The scale of a map is 1 inch = 70 miles. If two cities are 5 ½ inches apart on the map, how many miles apart are they?

5. Heather wants to enlarge a 4 x 6 in picture using a scale factor of 1:3. What will be the dimensions of the picture after she enlarges it?

6. A blueprint of a house is drawn using a scale of ¼ in = 3 ft. If the bedroom of the actual house is 16 in by 12 in, what are the dimensions of the bedroom on the blueprint?

7. What is the scale factor of the map shown below?

8. A dolphin in an aquarium is 12 feet long. A scale model of the dolphin is 3 ½ inches long. What is the scale factor of the model?