

Lesson 11C ~ Scale Drawings

Name _____ Period _____ Date _____

A map has a scale 3 inch : 10 miles. Use the given map distance to find the actual distance.

1. 9 in
2. 1 ft

A map has a scale 2 inches : 5 kilometers. Use the given actual distance to find the map distance.

3. 30 km
4. 1,500 m

5. Two cities are 24 miles apart. On a map, the cities are 6 inches apart. Find the scale of the map.

6. A fence is 8 inches long in a scale drawing. The actual fence is 36 feet long. Find the scale of the drawing.

7. A blueprint of a park has a scale 2 centimeters : 3 meters. On the blueprint, the area for the play structure is 80 square centimeters. What is the actual area of the play structure area?

8. A blueprint of a house has a scale of 1 inch : 2 feet.

a. Find the actual length of a wall that is 9.5 in on the blueprint.

b. The actual height of a door is 7 feet. How many inches is this on the blueprint?

9. You are building a model of a statue. The scale is 4 : 49. The model is 6 inches tall. How tall is the actual statue?

10. You are remodeling your house. The ratio of measurements from the scale drawing to the actual floor is 1 inch : 5 feet. The floor on the scale drawing is 4 inches by 3 inches.

a. You need to buy baseboards. What is the perimeter of the actual floor?

b. You need to buy carpet. What is the area of the actual floor?