

**True or False**

1. The scale on a scale drawing tells how the drawing's dimensions and the actual dimensions are related.

\_\_\_\_\_

2. An object and its scale model are the same size, but have different shapes.

\_\_\_\_\_

**Matching Distances**

The scale on a floor plan is 1 in : 15 ft. Match the distance on the floor plan with the actual distance.

3. 2 in

\_\_\_\_\_ = \_\_\_\_\_

A. 33 ft

4. 3.5 in

\_\_\_\_\_ = \_\_\_\_\_

B. 30 ft

5. 2.2 in

\_\_\_\_\_ = \_\_\_\_\_

C. 24 ft

6. 1.6 in

\_\_\_\_\_ = \_\_\_\_\_

D. 52.5 ft

### Finding Distances

The scale on a map is 1 cm: 25 mi. Find the actual distance in miles for the given length on the map.

7. 3 cm

$$\underline{\quad} = \underline{\quad}$$

Answer: \_\_\_\_\_

8. 10 cm

$$\underline{\quad} = \underline{\quad}$$

Answer: \_\_\_\_\_

9. 5.2 cm

$$\underline{\quad} = \underline{\quad}$$

Answer: \_\_\_\_\_

10. 8.7 cm

$$\underline{\quad} = \underline{\quad}$$

Answer: \_\_\_\_\_

### Finding Length

The scale used to build the scale model of an airplane is 1: 72. Find the wingspan of the model airplane to the nearest tenth of a centimeter.

11. *Wright Flyer* wingspan: 12.3 m

$$\underline{\quad} = \underline{\quad}$$

\_\_\_\_\_ meters  $\times 100 =$  \_\_\_\_\_ cm

12. *Spirit of St. Louis* wingspan: 14 m

$$\underline{\quad} = \underline{\quad}$$

\_\_\_\_\_ meters  $\times 100 =$  \_\_\_\_\_ cm

13. Boeing 747 wingspan: 59.6 m

$$\underline{\quad} = \underline{\quad}$$

\_\_\_\_\_ meters  $\times 100 =$  \_\_\_\_\_ cm

14. Airbus A380 wingspan: 79.8 m

$$\underline{\quad} = \underline{\quad}$$

\_\_\_\_\_ meters  $\times 100 =$  \_\_\_\_\_ cm