

LESSON
7-7

Practice C
Scale Drawings

The scale of a drawing is 1 cm = 15 m. Find the actual measurement.

1. 25 cm 2. 41 cm 3. 54 cm 4. 37 cm
- _____

The scale is 1 in = 35 ft. Find the length each measurement would be on a scale drawing.

5. 245 ft 6. 490 ft 7. 385 ft 8. 262.5 ft
- _____

9. Maria's yard is 40 ft × 28 ft 9 in. She made a scale drawing of her yard that is 16 in. × 11.5 in. What scale factor did she use?

10. Blueprints of a house are drawn to the scale of $\frac{1}{4}$ in. = 1 ft. A bedroom measures 4 in. by 5 in. on the blueprints. What is the actual size of the bedroom?

11. A scale drawing of a square with area 144 ft² is made using a scale of 1 in. = 2 ft. Find the dimensions of the scale drawing.

12. A map has a scale of 1 in. = 180 mi. If Mongolia is actually 2475 mi long and 1170 mi wide, what are its dimensions on the map?

13. The area of a rectangle is 216 ft². The length of the rectangle is 18 ft. If a scale drawing of the figure has a scale of $\frac{1}{2}$ in. = 6 ft. What are dimensions of the rectangle on the scale drawing?

14. A triangle has area of 768 ft² with a base of 48 ft. The scale drawing of the figure has scale of $\frac{1}{16}$ in. to 1 ft. What is the area of the scale drawing of the triangle?
