

1. Draw a line 1 inch long, and let it represent a distance of 8 inches. By this scale of 8 inches to an inch draw lines representing 4 inches; 16 inches; 3 feet.

2. Draw a line 3 inches long, and let it represent a distance of 25 feet. To what scale is this line drawn?

3. By this scale draw lines representing 50 in., 25 in.,  $12\frac{1}{2}$  in.,  $8\frac{1}{3}$  ft.,  $16\frac{2}{3}$  ft.

4. By a scale of 20 feet to an inch draw lines representing 5 ft., 30 ft., 25 ft., 55 ft., 80 ft.

5. The following lines are reduced 24-fold. What distance does each line represent?

- a \_\_\_\_\_  
b \_\_\_\_\_  
c \_\_\_\_\_  
d \_\_\_\_\_  
e \_\_\_\_\_

6. This is a square corner or right angle.  
 Point out all the right angles you can find.

7. Measure the length and width of the top of your desk, and make a drawing of it by a scale of 1 foot to an inch. How many square inches in it?

8. Measure the length and width of your school-room, and make a drawing of the floor by a scale of 8 feet to an inch. How many square feet in it?

9. Draw a rectangle 1 ft. long and 1 ft. wide. This is a square foot. How many square inches in this square?  
— sq. in. = 1 sq. ft.

10. A room 144 in. long and 96 in. wide is how many feet long and wide? How many square feet in the floor?