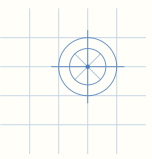


## Scale drawings — A different scale

Name: \_\_\_\_\_

Date: \_\_\_\_\_

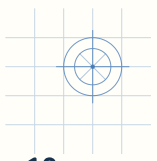


Find each new length. The real thing has not changed size.

- ① A fence is drawn 6 cm long at 1 cm = 10 meters. Redrawn at 1 cm = 4 meters, how many cm long is it? **15 cm**
- ② A wall is drawn 10 inches long at 1 inch = 6 feet. Redrawn at 1 inch = 4 feet, how many inches long is it?  
\_\_\_\_\_
- ③ A wall is drawn 10 inches long at 1 inch = 6 feet. Redrawn at 1 inch = 3 feet, how many inches long is it?  
\_\_\_\_\_
- ④ A fence is drawn 10 cm long at 1 cm = 4 meters. Redrawn at 1 cm = 8 meters, how many cm long is it? \_\_\_\_\_
- ⑤ A trail is drawn 12 inches long at 1 inch = 8 miles. Redrawn at 1 inch = 6 miles, how many inches long is it?  
\_\_\_\_\_
- ⑥ A hallway is drawn 4 cm long at 1 cm = 6 meters. Redrawn at 1 cm = 4 meters, how many cm long is it?  
\_\_\_\_\_
- ⑦ A ship is drawn 10 cm long at 1 cm = 4 meters. Redrawn at 1 cm = 5 meters, how many cm long is it? \_\_\_\_\_
- ⑧ A hallway is drawn 6 cm long at 1 cm = 6 meters. Redrawn at 1 cm = 2 meters, how many cm long is it?  
\_\_\_\_\_



# Scale drawings · A different scale — Answer key



1. A fence is drawn 6 cm long at 1 cm = 10 meters. Redrawn at 1 cm = 4 meters, how many cm long is it? 15 cm

2. A wall is drawn 10 inches long at 1 inch = 6 feet. Redrawn at 1 inch = 4 feet, how many inches long is it? 15 inches

3. A wall is drawn 10 inches long at 1 inch = 6 feet. Redrawn at 1 inch = 3 feet, how many inches long is it? 20 inches

4. A fence is drawn 10 cm long at 1 cm = 4 meters. Redrawn at 1 cm = 8 meters, how many cm long is it? 5 cm

5. A trail is drawn 12 inches long at 1 inch = 8 miles. Redrawn at 1 inch = 6 miles, how many inches long is it? 16 inches

6. A hallway is drawn 4 cm long at 1 cm = 6 meters. Redrawn at 1 cm = 4 meters, how many cm long is it? 6 cm

7. A ship is drawn 10 cm long at 1 cm = 4 meters. Redrawn at 1 cm = 5 meters, how many cm long is it? 8 cm

8. A hallway is drawn 6 cm long at 1 cm = 6 meters. Redrawn at 1 cm = 2 meters, how many cm long is it? 18 cm