52. How to calculate the real length from a scale drawing

Scenario Questions:

1. You have a scale drawing of a room where 1 centimeter represents 2 meters. If the length of a table in the drawing is 4 centimeters, what is the actual length of the table in meters?

2. In a scale drawing of a city map, 1 inch represents 5 miles. If the distance between two landmarks on the map is 3 inches, what is the actual distance between the landmarks in miles?

3. On a scale drawing of a garden, 1 inch represents 10 feet. If the length of a flowerbed in the drawing is 6 inches, what is the real length of the flowerbed in feet?

4. In a scale drawing of a floor plan, 1 centimeter represents 50 centimeters. If the width of a room in the drawing is 6 centimeters, what is the true width of the room in meters?

5. You have a scale drawing of a playground where 1cm represents 1m. If the distance between two swings in the drawing is 5cm, what is the actual distance in meters?

52. How to calculate the real length from a scale drawing

Scenario Questions:

6. In a scale drawing of a world map, 1 inch represents 1000 miles. If the distance between two countries on the map is 2 inches, what is the real distance between the countries in miles?

7. On a scale drawing of a street, 1 inch represents 20 yards. If the length of a building in the drawing is 8 inches, what is the actual length of the building in yards?

8. In a scale drawing of a hiking trail, 1 centimeter represents 500 meters. If the length of the trail in the drawing is 3 centimeters, what is the true length of the trail in kilometers?

9. You have a scale drawing of a classroom where 1 inch represents 2 feet. If the width of a desk in the drawing is 2.5 inches, what is the actual width of the desk in feet?

10. On a scale drawing of a city skyline, 1 inch represents 1000 feet. If the height of a building in the drawing is 4 inches, what is the real height of the building in feet?

52. How to calculate the real length from a scale drawing

Scenario Questions: Answers

1. You have a scale drawing of a room where 1 centimeter represents 2 meters. If the length of a table in the drawing is 4 centimeters, what is the actual length of the table in meters?

1. The actual length of the table is 8 meters.

2. In a scale drawing of a city map, 1 inch represents 5 miles. If the distance between two landmarks on the map is 3 inches, what is the actual distance between the landmarks in miles?

2. The actual distance between the landmarks is 15 miles.

3. On a scale drawing of a garden, 1 inch represents 10 feet. If the length of a flowerbed in the drawing is 6 inches, what is the real length of the flowerbed in feet?

3. The real length of the flowerbed is 60 feet.

4. In a scale drawing of a floor plan, 1 centimeter represents 50 centimeters. If the width of a room in the drawing is 6 centimeters, what is the true width of the room in meters?

4. The true width of the room is 3 meters.

5. You have a scale drawing of a playground where 1 centimeter represents 1 meter. If the distance between two swings in the drawing is 5 centimeters, what is the actual distance between the swings in meters?

5. The actual distance between the swings is 5 meters.

6. In a scale drawing of a world map, 1 inch represents 1000 miles. If the distance between two countries on the map is 2 inches, what is the real distance between the countries in miles?

6. The real distance between the countries is 2000 miles.

7. On a scale drawing of a street, 1 inch represents 20 yards. If the length of a building in the drawing is 8 inches, what is the actual length of the building in yards?

7. The actual length of the building is 160 yards.

8. In a scale drawing of a hiking trail, 1 centimeter represents 500 meters. If the length of the trail in the drawing is 3 centimeters, what is the true length of the trail in kilometers?

8. The true length of the trail is 1.5 kilometers.

9. You have a scale drawing of a classroom where 1 inch represents 2 feet. If the width of a desk in the drawing is 2.5 inches, what is the actual width of the desk in feet?

9. The actual width of the desk is 5 feet.

10. On a scale drawing of a city skyline, 1 inch represents 1000 feet. If the height of a building in the drawing is 4 inches, what is the real height of the building in feet?

10. The real height of the building is 4000 feet.