



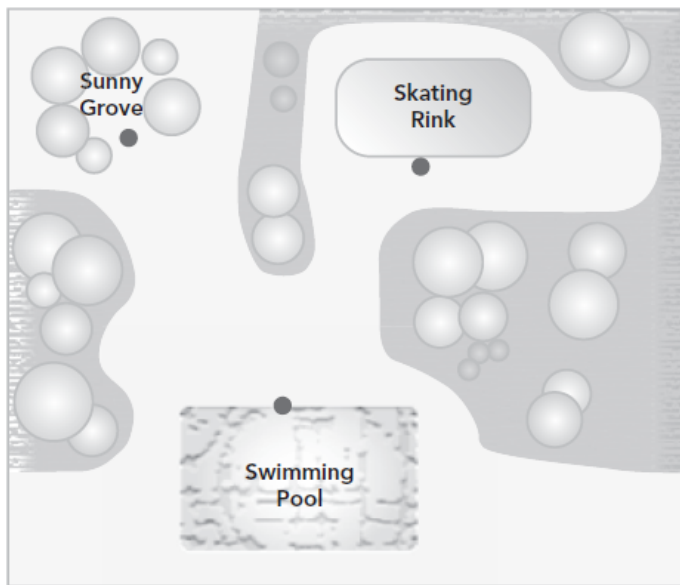
Objective: REVIEW

Day 4

IV. Scale Drawings

A. Solve each problem.

1. Marion is helping to organize Family Fun Day at the local park. Marion is responsible for organizing the relay race. On a map of the park, she plans the first leg of the relay race to start at Sunny Grove and end at the swimming pool. The second leg of the relay race will run from the swimming pool to the skating rink.

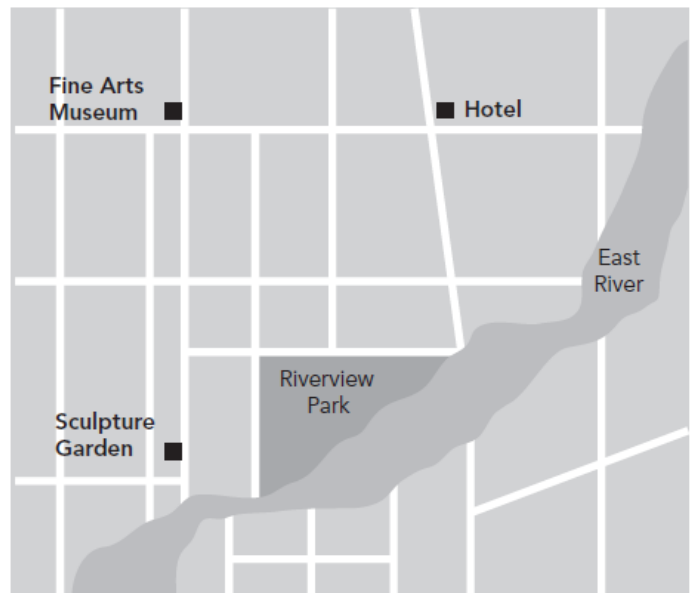


On the map:

- The distance between Sunny Grove and the swimming pool is 3.5 inches.
- The distance between the swimming pool and the skating rink is 3.2 feet.
- On the map scale, 1 in. represents 400 ft.

What is the length of the actual race?

2. Shakia enjoys planning vacations almost as much as going on them. This year, she is spending her vacation in the city. Looking at a map, she plans to start at her hotel. From there, she will go to the fine arts museum, and then to the sculpture garden. She will walk between each location.

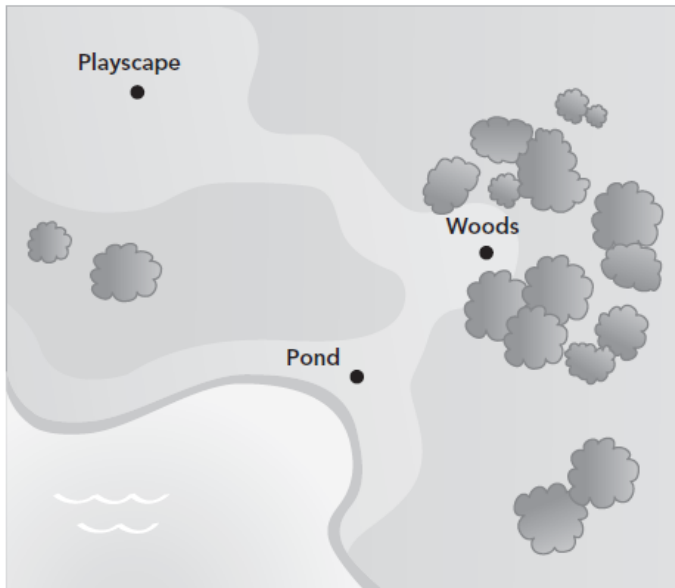


On the map:

- The distance between the hotel and the fine arts museum is 1.1 inches.
- The distance between the fine arts museum and the sculpture garden is 1.3 inches.
- On the map scale, 1 in. represents 3 km.

What is the distance that Shakia walked from the hotel to the sculpture garden?

3. You have been looking forward to the music festival all year. The festival is held at the local park. Using a map of the music festival, you plan to start at the pond, where Mozart is being played. Then, you will walk to a spot in the woods, where Beethoven is being played. Finally, you'll continue to the playscape, where Bach is being played.

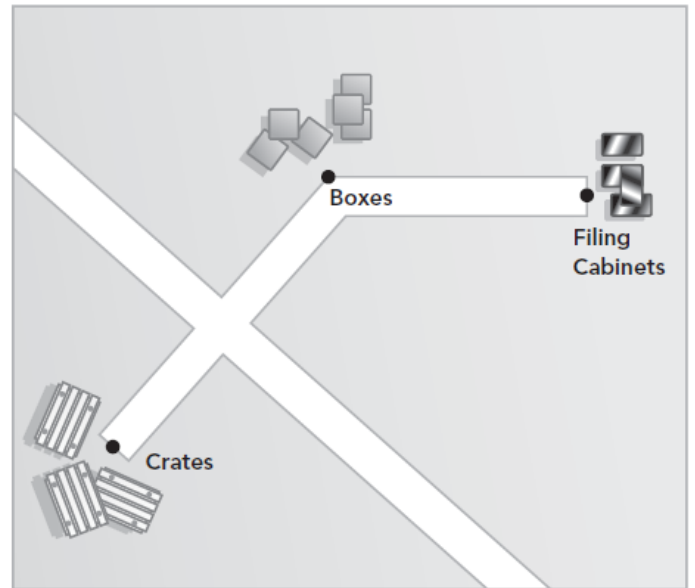


On the map:

- The distance between the pond and the woods is 1.4 inches.
- The distance between the woods and the playscape is 3.1 inches.
- On the map scale, 1 in. represents 40 yd.

What is the distance you walk from the pond to the playscape?

4. Manuel is looking at a map of his warehouse to track down shipment #452A7. He begins in the crate section. When he does not find it there, he looks among the boxes. Finally, he searches in the filing cabinets.

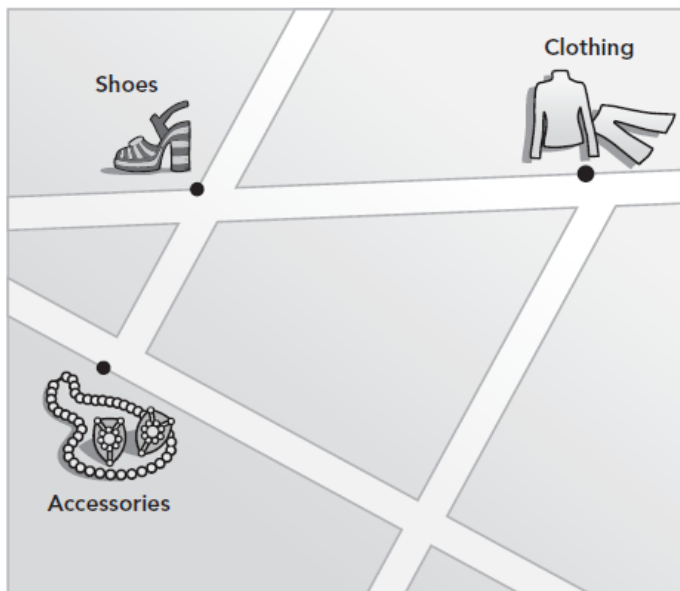


On the map:

- The distance between the crates and the boxes is 2 centimeters.
- The distance between the boxes and the filing cabinets is 1.6 centimeters.
- On the map scale, 1 cm represents 80 m.

What is the distance Manuel walks from the crates to the filing cabinets?

5. You look at a map of a department store to see how far the following three departments are from the other: Accessories, Shoes, and Clothing.



On the map:

- The distance between Accessories and Shoes is 0.5 inches.
- The distance between Shoes and Clothing is 1.2 inches.
- On the map scale, 1 in. represents 50 ft.

What is the actual distance between the shoes and the clothing departments?

6. You and your friends are at the high school football stadium watching the game. You volunteer to get snacks for yourself and your friends. You check out the map for concession stands. There are three different concessions stands. One is for drinks, one is for popcorn, and one is for the grill.



On the map:

- The distance between the drinks and the popcorn is 2 inches.
- The distance between the popcorn and the grill is 3 inches.
- On the map scale, 1 in. represents 60 ft.

What is the actual distance between the drinks and the popcorn concession stands?

