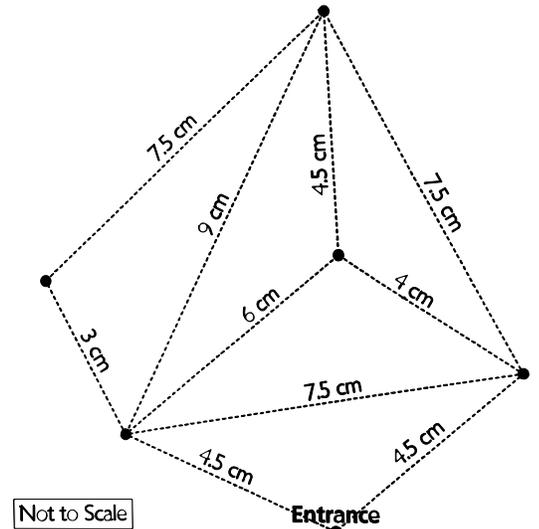


IN SCALE (B)

On the map 3 centimeters stand for 20 meters.
 Use the clues.
 Write the name of each ride next to the dot on the map.

Clues

- a. The distance from the Ferris wheel to the loop-the-loop is 40 meters.
- b. The merry-go-round is 30 meters from the entrance.
- c. A round trip from the Ferris wheel to the roller coaster is 60 meters.
- d. The water slide is 50 meters from the roller coaster.



Name.....

IN SCALE (C)

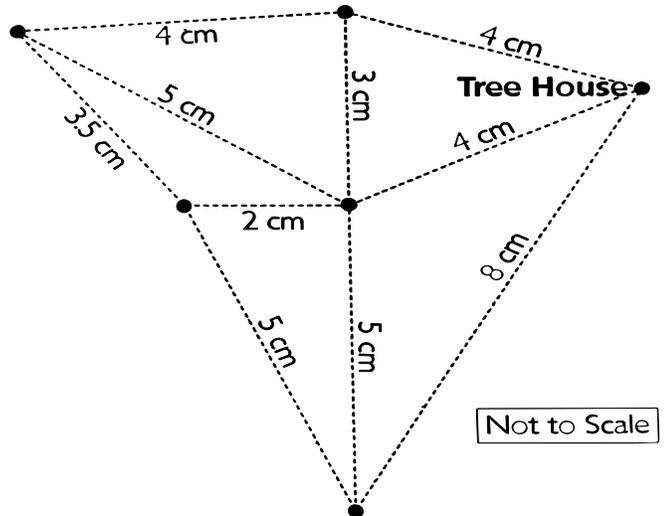
Solutions

On the map 5 centimeters stand for 8 meters.
 Use the clues. Write the name of each object next to the dot on the map.

Clues

- a. From the house, to the swings, to the lilac bush, is 8 meters.
- b. The trip from the tree house to the house, then to the swings, and back to the house is 16 meters.
- c. From Big Rock to the swings is 8 meters. If you go by way of the lilac bush, the trip is almost a meter longer.

- d. The distance from the house to the brook is the same as from the tree house to the brook.



Name.....

IN SCALE (B)

Solutions

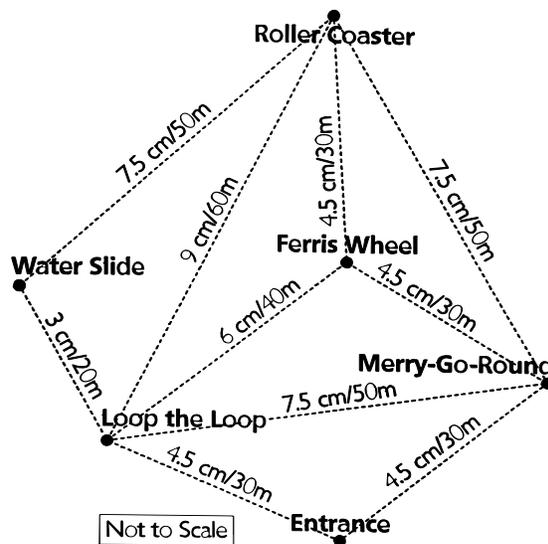
Convert each map distance between rides to actual distances in meters, using proportions. Solve the proportions.

Clue b The merry-go-round is one of the 2 points 4.5 centimeters from the entrance.

Clue c Only the Ferris wheel and the roller coaster are 4.5 centimeters (30 meters) apart.

Clue a The Ferris wheel and the loop-the-loop must be 6 centimeters apart. This clue locates the Ferris wheel and the loop-the-loop. With the information from Clue (b), locate the roller coaster and the merry-go-round.

Clue d The water slide is 7.5 centimeters from the roller coaster.



IN SCALE (C)

Solutions

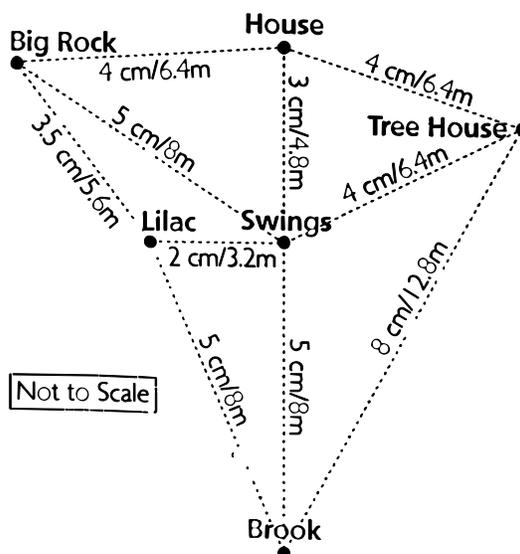
Convert each map distance between places to actual distances in meters, using proportions. Solve the proportions.

Clue a Locate 2 distances that total 8 meters. These are 4.8 meters and 3.2 meters. The swings are in the center, and the house and lilac bush are at the ends.

Clue b The distance from the tree house, to the house, to the swings, and back is 16 meters. ($6.4 + 4.8 + 4.8 = 16$)

Clue c There are 2 points located 8 meters from the swings, but only 1 of them makes the trip via the lilac bush 1 meter longer.

Clue d Identify the remaining point as the brook. Check to see if the brook-to-tree-house distance is the same as the house-to-brook distance.



A.75

[Source: Groundworks Puzzles and Problems - Grade 7, Creative Publications, Inc.]