

FIND DIMENSIONS FROM SCALE DRAWINGS: WORD PROBLEMS

Use the scales and given dimensions to answer each question.

1. Deja is looking at the floor plan of an apartment. The scale in the floor plan is 1 inch = 5 feet.

a. In the floor plan, the length of the bathroom is 2 inches. What is the actual length of the bathroom?

10 feet

b. In the floor plan, the length of the kitchen island is 1.5 inches. What is the actual length of the kitchen island?

7.5 feet

c. In the floor plan, the length of the whole apartment is 6.5 inches. What is the actual length of the apartment?

32.5 feet

2. Rafael is looking at a scale drawing of the park that is going to be built near his neighborhood. The scale in the drawing is 1 centimeter = 20 meters.

a. In the drawing, the distance from the parking lot to the playground is 3 centimeters. What is the actual distance from the parking lot to the playground?

60 meters

b. In the drawing, the distance from the tennis courts to the picnic area is 5.2 centimeters. What is the actual distance from the tennis courts to the picnic area?

104 meters

c. In the drawing, the length of the walking trail that goes through the park is 21.7 centimeters. What is the actual length of the walking trail?

434 meters

