

## Scale Factor

1. Jayce drew a diagram of his tree house that he is going to build. The diagram is 10 times smaller than the actual tree house. On the diagram, the door is 7 inches tall and 3 inches wide. How big will the actual door be?

- a. 7 feet tall and 3 feet wide
- b. 70 inches tall and 30 inches wide
- c. 70 centimeters tall and 30 centimeters wide

2. Karly's toy Barbie jeep has a scale of 1:4 to a real jeep. If the length of the door on the real jeep is 68 inches. What is the length of the door on the barbie jeep?

- a. 17 inches
- b. 34 inches
- c. 28 inches

3. Jaddison was looking at the road map and saw that  $\frac{1}{2}$  inch represents 1 mile. If his starting point is 10 inches away from his ending point, how many miles will Jaddison drive?

- a. 10 miles
- b. 20 miles
- c. 5 miles