

ANSWERS

SCALE DRAWINGS

Instructions: Read each problem carefully, establish a proportion, choose the correct answer from the options.

1. Emma is creating a scale drawing of a skyscraper. The actual height of the skyscraper is 96 meters. If Emma is using a scale of 1 inch : 16 meters, what will be the height of the skyscraper in her drawing?

- a. 5 inches
- 6 inches**
- c. 7 inches
- d. 8 inches

2. John is sketching a model of a bridge. The actual length of the bridge is 180 meters. If he uses a scale of 1 centimeter : 15 meters, what will be the length of the bridge in his drawing?

- a. 10 cm
- b. 15 cm
- 12 cm**
- d. 18 cm

3. Lily is designing a floor plan for a new house. The real width of the house is 48 meters. If the scale she is using is 1 inch : 8 meters, how wide will the house be on the floor plan?

- a. 5 inches
- 6 inches**
- c. 7 inches
- d. 8 inches

4. Tom is drawing a map of a park. The actual distance from the entrance to the lake is 120 meters. If the scale on his map is 1 centimeter : 20 meters, what will be the distance from the entrance to the lake on his map?

- a. 4 cm
- b. 5 cm
- 6 cm**
- d. 7 cm

How Did You Do?   