

## Geometric Proportions



Name Class Date

1

Tyrone is using a map to see how far it is to his uncle's house. He measures 7 inches. The scale is 2.5 in. = 15 miles. How far away is his uncle's house?

- A 5.4 miles
- C 42 miles
- **B** 17.5 miles
- D 105 miles

2

An engineer is designing a house. He uses a **scale** of  $\frac{1}{4}$  in. = 1 ft. He draws a room to be 7 in. x 7.5 in. What will the actual room dimensions be?

- **A** 35 ft x 37.5 ft
- C 28 ft x 37.5 ft
- B 28 ft x 35 ft
- D 28 ft x 30 ft

3

Crischienda is making a model of a bridge. She is using a **scale** of  $\frac{1}{2}$  in. = 2 ft. If the bridge deck is 17 in. in her model, how long is the real bridge deck?



An interior designer is using a computer program to furnish a room. The **scale** is **1 in.** = **3 ft**. If the couch in the room is **7 ft** long, how long should it be for the computer program?





## **PREVIEW**



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- A 48 ft
- **B** 73.6 ft
- C 368 ft
- **D** 441.6 ft

- A 66.5 cm
- C 17.5 cm
- **B** 27 cm
- **D** 13.3 cm

9

The town engineers are building a model of their town. The **scale** they are using is **1 cm = 4 miles**. If the model town measures **8.5 cm** wide, how wide is the real town?

- **A** 2.125 miles
- C 34 miles
- **B** 21.25 miles
- D 44 miles

10

At the naval park, a submarine is **78 feet** long. The gift shop sells a model submarine with a **scale** of  $\frac{4}{7}$  in. to **4.5 feet**. How long will the model submarine be?

- **A**  $8\frac{1}{3}$  in.
- **C**  $13\frac{1}{3}$  in.
- **B** 11 in.
- **D** 13 in.



## Geometric Proportions



Name Class Date Tyrone is using a map to see how far it is An engineer is designing a house. He to his uncle's house. He measures uses a scale of  $\frac{1}{4}$  in. = 1 ft. He draws a 7 inches. The scale is 2.5 in. = room to be 7 in. x 7.5 in. What will the 15 miles. How far away is his C actual room dimensions be? D uncle's house? A 35 ft x 37.5 ft C 28 ft x 37.5 ft C 42 miles A 5.4 miles B 28 ft x 35 ft D 28 ft x 30 ft B 17.5 miles D 105 miles 3 An interior designer is using a computer Crischienda is making a model of a bridge. She is using a scale of  $\frac{1}{2}$  in. = 2 ft. If the program to furnish a room. The scale is 1 in. = 3 ft. If the couch in the room is bridge deck is 17 in. in her model, how 7 ft long, how long should it be for the long is the real bridge deck? B computer program? 5 (C)**PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet B A 48 ft **B** 73.6 ft A 66.5 cm C 17.5 cm C 368 ft **B** 27 cm **D** 13.3 cm **D** 441.6 ft The town engineers are building a model 10 At the naval park, a submarine is 78 feet of their town. The scale they are using long. The gift shop sells a model is 1 cm = 4 miles. If the model town submarine with a scale of  $\frac{4}{7}$  in. to measures 8.5 cm wide, how wide is the 4.5 feet. How long will the model (D)real town? submarine be? **A** 2.125 miles C 34 miles **A**  $8\frac{1}{3}$  in. **C**  $13\frac{1}{3}$  in. **B** 21.25 miles D 44 miles **B** 11 in. **D** 13 in.