

8. Guided Practice — Worksheet A

Name: _____ **Class:** _____ **Date:** _____

1. Scale 1 cm = 5 km; map distance 4 cm. Find the real distance.

2. Scale 1 cm = 5 km; real distance 25 km. Find the map distance.

3. Scale 1 cm = 2 m; real wall 10 m. Find the drawing length.

4. Scale 1 cm = 2 m; drawing length 6 cm. Find the real length.

5. Rectangles are 2 by 4 and 4 by 8. Are they similar?

6. Rectangles are 3 by 5 and 6 by 12. Are they similar?

7. Scale factor 4; original side 3 cm. Find the new side.

8. Scale factor 0.5; original side 10 cm. Find the new side.

9. Write the units in Questions 1-4.

10. Explain why map-to-real and real-to-map use different operations.
