

9. Independent Practice — Worksheet B

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

1. Scale 1 cm = 7 km; map distance 6 cm.

2. Scale 1 cm = 9 km; real distance 72 km.

3. Scale 2 cm = 18 km; map distance 5 cm.

4. Scale 4 cm = 20 km; real distance 45 km.

5. Scale 1 cm = 4 m; real length 28 m.

6. Scale $1 \text{ cm} = 6 \text{ m}$; drawing length 7 cm .

7. A room is 20 m by 12 m . Scale $1 \text{ cm} = 4 \text{ m}$. Find drawing dimensions.

8. Rectangles are 6 by 8 and 12 by 20 . Are they similar?

9. A model uses $1 \text{ cm} = 25 \text{ cm}$. A model side is 12 cm . Find the real side.

10. Explain how to check whether two figures are similar.
