

Practice 5-7

Maps and Scale Drawings

The scale of a map is 2 cm : 21 km. Find the actual distances for the following map distances.

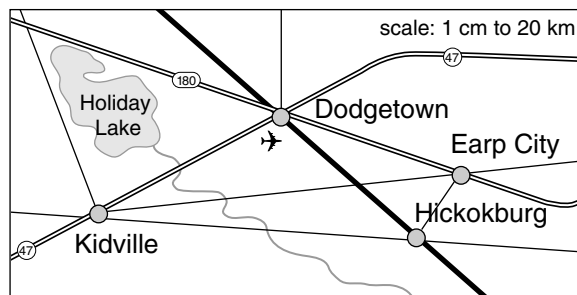
- | | | |
|------------------|------------------|-----------------|
| 1. 9 cm _____ | 2. 12.5 cm _____ | 3. 14 mm _____ |
| 4. 3.6 m _____ | 5. 4.5 cm _____ | 6. 7.1 cm _____ |
| 7. 7.18 cm _____ | 8. 25 cm _____ | 9. 1 cm _____ |

A scale drawing has a scale of $\frac{1}{4}$ in. : 12 ft. Find the length on the drawing for each actual length.

- | | | | |
|-----------------|-----------------|-----------------|-----------------|
| 10. 8 ft _____ | 11. 30 ft _____ | 12. 15 ft _____ | 13. 56 ft _____ |
| 14. 18 ft _____ | 15. 20 ft _____ | 16. 40 ft _____ | 17. 80 ft _____ |

Use a metric ruler to find the approximate distance between the towns.

18. Hickokburg to Kidville _____
19. Dodgetown to Earp City _____
20. Dodgetown to Kidville _____
21. Kidville to Earp City _____
22. Dodgetown to Hickokburg _____
23. Earp City to Hickokburg _____



Solve.

24. The scale drawing shows a two-bedroom apartment. The master bedroom is 9 ft × 12 ft. Use an inch ruler to measure the drawing.
 - a. The scale is _____.
 - b. Write the actual dimensions in place of the scale dimensions.

