

Answers for Lesson 4-6, pp. 193–195 Exercises

1. The scale is the ratio of map distance to actual distance.
2. 150 mi
3. 1 : 2; the model is half as large as the object, compared to a third as large.
4. 6; 15 ft
5. 2.3; 5.75 ft
6. 30 in.; 6 in.
7. 15 in.; 3 in.
8. 22.5 in.; 4.5 in.
9. 12.5 in.; 2.5 in.
10. 32.5 mi
11. 25 mi
12. 44 mi
13. 53 mi
14. 5.5 in.
15. 21.5 in.
16. 23 in.
17. 9.75 in.
18. a. $2\frac{1}{8}$ in.
b. 318.75 mi
19. 300 mi
20. Midland and Galveston
21. N
22. Check students' work.
23. 2.5 ft
24. 17.5 ft
25. Yes; the narrow section of the bedroom is 5 ft wide by 7.5 ft long.
26. 1 in. : 50 ft
27. Check students' work.
28. D
29. H
30. B
31. 21
32. 0
33. -2