1. $2\frac{2}{5}$ ft

2. $2\frac{1}{2}$ ft

3. $3\frac{1}{3}$ ft

4. 9 cm

5. 5 in.

6. 5.7

7. 5.6

8. 12 ft

9. 51 cm

10. 18 km

11. 144 km

12. 51 km

13. 99.6 km

14. 3 in.

15. 4 in.

16. 15 in.

17. 20.5 in.

18. 0.8 or $\frac{4}{5}$ in.

19. 1.2 m

20. 2 in.; 4.5 in.

21. 45 km

22. 15.75 km

23. 7.5 km

24. 130.5 km

25. HO model; N model

26. about 11 in.; 6 in.

27. 4.5 in.

28. 50.4 ft

29. 2 in.

30. $\frac{1}{4}$ in.

31. $1\frac{3}{4}$ in.

32. $\frac{7}{40}$ in.

33. Answers may vary. Sample: Some figures in board games model actual figures.

34. 7 in.

35. 1 in.; 350 mi

36. Answers may vary. Sample: You cannot assume that map distances are proportional to actual distances.

37. 1 in.: 10 ft

38. 7.5 ft by 7.5 ft

39. 2.5 ft

40. 243.75 ft^2

41. Yes; the narrow section in the drawing is $\frac{3}{4}$ in. by $\frac{3}{4}$ in., representing a space 7.5 ft by 7.5 ft.

42. 8 in.

43. In a square, all angles have equal measures and the ratios of the lengths of corresponding sides are all equal. All circles are similar. Explanations may vary. Sample: Circles have no angles and only one measurement that can vary.

44. N scale

45. $15\frac{1}{2}$ ft