

- 1.2 SKILL Practice**
- For use with pages 12–14
- Answers for 1.2**
- MN means segment MN while MN is the length of MN. Find the difference $MN - MP$.
 - Find the sum $PQ + QN$; find the difference $MN - MP$.
 - 2.1 cm 3.2 cm
 - 5. 3.5 cm
 - 6. 23
 - 7. 44
 - 8. 65
 - 9. 23
 - 10. 15
 - 11. 13
 - 12. 9 should be subtracted from 14, not added; $BC = 14 - 9 = 5$.
 - 13. congruent
 - 14. not congruent
 - 15. not congruent
 - 16. 3
 - 17. 7
 - 18. 12
 - 19. 9
 - 20. Yes, since $FB = FC + CB$, then $FB > CB$; no, the relationship between AD and BC is not known.
 - 21. 10 22. 22 23. 20 24. 32 25. 30 26. 42
 - 27. D
 - 28. $(2x + 10) + (x - 4) = 21$; $5; 20, 1$
 29. $(3x - 16) + (4x - 8) = 60$; 12;
 30. $(2x - 8) + (3x - 10) = 17$; 7;
 31. $AC = 6$, $CD = 6$, $AB = 3$, $BC = 3$, $BD = 9$, $AD = 12$; $\frac{3}{2}$, 6, 11
 32. $2\frac{1}{4}$ in., $1\frac{3}{4}$ in.; $\frac{1}{2}$ in.
 33. a. 1883 mi
 34. a. 5, 5, 5; games lost b. about 50 mi/h c. Sample answer: The sum of the lengths of the bars for wins and losses represents the total number of games played.

35. a. Sample:

b.

21 ft



| | | |
|--------|--------|---------|
| City D | 10 mi | |
| City C | | 10 mi |
| City B | 2.5 mi | 12.5 mi |
| City A | 15 mi | 25 mi |
| | City C | City D |

| | | |
|--------|---------|---------|
| City D | 25 mi | 12.5 mi |
| City C | 15 mi | 2.5 mi |
| City B | 12.5 mi | |
| City A | | 12.5 mi |
| | City A | City B |

36.

43. true 44. true 45. false
 40. -1 41. 3 42. 3
 37. 12 38. $5\sqrt{2}$ 39. $\sqrt{46}$

1.2 Mixed Review