1. 0.28
2. 0.6
3. 1.45
4. 6.25
5. Yes; $\frac{5}{16} = 5 \div 16 = 0.3125$, so $10\frac{5}{16} = 10.3125$.
6. -0.625; terminating
7. $-0.1\overline{6}$; repeating; 6
8. $0.\overline{2}$; repeating; 2
9. $0.\overline{81}$; repeating; 81
10. $-0.5, \frac{3}{5}, \frac{9}{10}, 1.2$
11. $0.3, \frac{1}{2}, \frac{3}{2}, \frac{5}{2}$
12. $-0.75, 20.625, -\frac{1}{4}, -\frac{1}{8}$
13. $0.06, \frac{2}{5}, \frac{6}{5}, \frac{3}{2}$
14. $-0.87, -\frac{8}{10}, 20.77, -\frac{7}{10}$
15. $\frac{22}{11}, 2.01, 2.1, \frac{22}{10}$
16. $2\frac{1}{4}$
17. $3\frac{2}{5}$
18. $\frac{2}{25}$
19. $7\frac{3}{20}$
20. $2\frac{12}{25}$
21. $6\frac{37}{100}$
22. $5\frac{9}{25}$
23. $2\frac{11}{20}$
24. $\frac{5}{9}$
25. $\frac{14}{111}$
26. $\frac{3}{11}$
27. $-\frac{1}{3}$
28. <
29. =
30. >
31. <
32. Yes; the bolt has diameter 0.15625 in., which is less than 0.2 in.
33. 5.375
34. 2.3125
35. 0.04
36. 3.8
37. -0.31
38. $0.\overline{63}$
39. $\frac{7}{20}$
40. $6\frac{4}{5}$
41. $-3\frac{9}{10}$
42. $10\frac{35}{333}$

43. a. Sarah: 0.286; Lizzie: 0.302
    b. Lizzie; 0.302 > 0.286

44. Fraction: $\frac{1}{8}, \frac{1}{4}, \frac{5}{8}$

    Decimal: 0.375, 0.5, 0.75, 0.875

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

46. $\frac{91}{495}$

47. $\frac{272{,}727}{1.000.000}$

48. $1\frac{1}{5}$

49. No; there is no block of digits that repeats.

50. a. $0.\overline{714285}, 0.\overline{307692}, 0.4\overline{6}$

    b. 6, 6, 1

51. $4 \div 99$ since $0.\overline{04} = \frac{4}{99}$