

1. $\frac{2}{15}$
2. $-\frac{3}{16}$
3. $\frac{12}{35}$
4. $-\frac{22}{39}$
5. $\frac{7}{10}$
6. $\frac{2y}{5}$
7. $\frac{9x}{2}$
8. $\frac{1}{2}$
9. $5\frac{1}{28}$
10. $3\frac{3}{10}$
11. $-3\frac{1}{5}$
12. $5\frac{2}{3}$
13. $1\frac{1}{4}$ hours
14. $1\frac{1}{2}$
15. $\frac{5}{6}$
16. $-2\frac{1}{4}$
17. $-1\frac{1}{21}$
18. $\frac{27}{32}$
19. $1\frac{1}{2}$
20. t
21. $\frac{1}{3}$
22. $16\frac{8}{9}$
23. $\frac{2}{3}$
24. -2
25. $1\frac{1}{2}$
26. $18\frac{3}{8}$
27. $4\frac{2}{11}$
28. $7\frac{1}{2}$
29. $-1\frac{1}{5}$
30. $\frac{2x}{7}$
31. $-\frac{3}{5}$
32. $\frac{10}{21}$
33. $-8\frac{1}{3}$
34. $1\frac{1}{2}$
35. $\frac{2a}{15}$
36. -4
37. $\frac{35}{72}$
38. 9 oz
39. $-\frac{3}{4}$
40. $1\frac{1}{3}$
41. $-1\frac{7}{8}$
42. $\frac{2}{3}$
43. $\frac{32}{75}$
44. $-2\frac{4}{7}$
45. $\frac{2}{3w}$
46. 2
47. $\frac{1}{5}$
48. $1\frac{1}{4}$
49. $2\frac{1}{2}$
50. 40
51. $\frac{3}{8}$
52. $1\frac{1}{24}$
53. $\frac{12}{49}$
54. $\frac{3}{4}$
55. A

56. a. $3\left(\frac{1}{2}a\right) - \frac{a}{-4}$

b. $5\frac{1}{4}$

57. 4 mi; $2\frac{2}{15}$ mi

58. 6 rest stops

59. Answers may vary. Sample: You change mixed numbers to improper fractions so that you can use the rules for multiplying and dividing fractions.

60. a. $\frac{1}{4}, \frac{1}{6}, \frac{1}{8}, \frac{1}{10}$

b. The quotients decrease.

61. Answers may vary. Sample: $4 \cdot 8 = 32$; $4 \div \frac{1}{8} = 32$

62. Answers may vary. Sample: $\frac{2}{3}, \frac{4}{7}$