

ANSWERS.

Exercise 4.

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|-----------------|-----------------|-------------------|
| 1. 76 men. | 18. 1293154. | 35. 288231. |
| 2. 97 mi. | 19. 920901. | 36. 359012. |
| 3. 559 hr. | 20. 155554. | 37. 278954. |
| 4. 978 boys. | 21. 952 ft. | 38. 388149. |
| 5. \$8778. | 22. 1781 lines. | 39. 3722639581. |
| 6. 74799. | 23. 1653 rd. | 40. 373197661105. |
| 7. 988899. | 24. 1469 mk. | 41. 40814. |
| 8. 986936. | 25. \$146991. | 42. 341011. |
| 9. 978889. | 26. 130755. | 43. 53140. |
| 10. 91 men. | 27. 1620506. | 44. 1352375. |
| 11. 142 pens. | 28. 1657686. | 45. 98553. |
| 12. 123 pages. | 29. 199379. | 46. 80459. |
| 13. 135 balls. | 30. 267411. | 47. 96604. |
| 14. 1185 books. | 31. 2364. | 48. 88500. |
| 15. \$11923. | 32. 2727. | 49. 92338. |
| 16. 121291. | 33. 26182. | 50. 91606. |
| 17. 1041400. | 34. 22545. | |

Exercise 6.

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|------------|-------------|--------------------|
| 1. 605 bu. | 6. \$1130. | 19. \$149174. |
| 2. 167A. | 7. \$10363. | 20. 265780 sq. mi. |
| 3. \$4305. | 8. 2619 mi. | 21. 3784219. |
| 4. 2600. | 17. 53011. | 22. 4457114. |
| 5. 1640 A. | 18. 75686. | |

Exercise 7.

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|---------------|---------------|----------|----------|-----------|
| 1. 42 men. | 6. 104 men. | 11. 34. | 16. 115. | 21. 557. |
| 2. 222 boys. | 7. 502 boys. | 12. 15. | 17. 579. | 22. 93. |
| 3. 220 balls. | 8. 413 balls. | 13. 18. | 18. 168. | 23. 3234. |
| 4. 11 mi. | 9. 413 mi. | 14. 69. | 19. 176. | 24. 859. |
| 5. 504. | 10. 203. | 15. 182. | 20. 392. | 25. 5149. |

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| 26. 13028. | 32. 24468929016658. |
| 27. 18308. | 33. 3808473092159. |
| 28. 19590. | 34. 11910410694969481. |
| 29. 3750667. | 35. 219571835427077356. |
| 30. 131062348. | 36. 4197533343580235802. |
| 31. 109907733354. | |

Exercise 8.

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|-------------------------|---------------|-------------|------------|
| 2. \$11. | 15. 5714. | 29. 19. | 42. 10588. |
| 3. \$153. | 16. \$9. | 30. 151. | 43. 26. |
| 4. 805 yd. | 17. \$614555. | 31. 377. | 44. 17. |
| 5. 1395 bu. | 18. \$614. | 32. 4479. | 45. 119. |
| 6. Lost \$19. | 19. \$546. | 33. 50. | 46. 85. |
| 7. \$1142. | 20. \$5958. | 34. 72. | 47. 27. |
| 8. 42494 bu. | 21. 10. | 35. 73. | 48. 522. |
| 9. 508 yr. | 22. 28. | 36. 134051. | 49. 289. |
| 10. \$8. | 23. 66. | 37. 167307. | 50. 1773. |
| 11. 2554 men. | 24. 21. | 38. 198. | 51. 1125. |
| 12. \$7381. | 25. 26. | 39. 7545. | 52. 527. |
| 13. \$9160. | 26. 95. | 40. 3882. | 53. 7191. |
| 14. 83 yr. ;
157 yr. | 27. 252. | 41. 1941. | 54. 46704. |
| | 28. 199. | | |

Exercise 9.

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|---------|----------|----------|---------|
| 20. 19. | 31. 62. | 42. 0. | 53. 51. |
| 21. 43. | 32. 40. | 43. 4. | 54. 60. |
| 22. 19. | 33. 133. | 44. 100. | 55. 49. |
| 23. 28. | 34. 72. | 45. 62. | 56. 3. |
| 24. 52. | 35. 68. | 46. 53. | 57. 52. |
| 25. 12. | 36. 3. | 47. 10. | 58. 22. |
| 26. 17. | 37. 3. | 48. 4. | 59. 34. |
| 27. 58. | 38. 25. | 49. 28. | 60. 30. |
| 28. 42. | 39. 33. | 50. 20. | 61. 10. |
| 29. 74. | 40. 45. | 51. 14. | 62. 37. |
| 30. 25. | 41. 2. | 52. 32. | 63. 81. |

Exercise 10.

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|-----------|------------|------------|
| 1. 72 hr. | 2. 224 lb. | 3. 264 ft. |
| 120 hr. | 504 lb. | 462 ft. |
| 168 hr. | 336 lb. | 528 ft. |
| 216 hr. | | |

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| 4. 784 lb. | 12. \$54024. | 26. 34227. |
| 980 lb. | 13. \$35334. | 27. 43225. |
| 1764 lb. | 14. 296149 yd. | 28. 121383. |
| 5. 1095 da. | 15. 54078 ft. | 29. 2806032. |
| 1825 da. | 16. 117648 in. | 30. 2585160. |
| 2555 da. | 17. 13112 min. | 31. 5259186. |
| 6. \$2900, | 18. 248808 rd. | 32. 723765442616. |
| \$4350, | 19. 8274. | 33. \$70. |
| \$5800. | 20. 15036. | 34. 94 ct. |
| 7. 1792 boys. | 21. 233945. | 35. \$500. |
| 8. 3512 girls. | 22. 472182. | 36. \$1575. |
| 9. 4296 ft. | 23. 376012. | 37. \$215. |
| 10. 8645 men. | 24. 54537. | 38. \$9085. |
| 11. \$16818. | 25. 36536. | |

Exercise 11.

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|---------------|----------------|---|--------------------------------|
| 1. \$1200. | 14. 469476. | 27. 272916080. | 39. \$96950. |
| 2. \$2075. | 15. 241152. | 28. 234262788. | 40. 748000 yd.,
1267200 yd. |
| 3. 3168 boys. | 16. 565785. | 29. 66988960. | 41. 63360 in.,
1584000 in. |
| 4. 5888 pens. | 17. 1603550. | 30. 170421097. | 42. 353685 da. |
| 5. 21170 da. | 18. 32005260. | 31. 181000512. | 43. 25612 lines. |
| 6. \$25929. | 19. 28597105. | 32. 214307272. | 44. 358568 wds. |
| 7. \$42364. | 20. 15312780. | 33. 137606352. | 45. 4032 mi. |
| 8. 46125 ft. | 21. 28804616. | 34. 273922943. | 46. The latter ;
8939. |
| 9. 127484 da. | 22. 88564080. | 35. 416312090. | 47. 3489863. |
| 10. 86140 da. | 23. 156530435. | 36. 362530048. | |
| 11. \$247000. | 24. 203058102. | 38. 8760 hr.,
52560 hr.,
657000 hr. | |
| 12. \$344634. | 25. 87831900. | | |
| 13. 238150. | 26. 576267915. | | |

Exercise 12.

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|----------------------------|-----------------|--------------------|--------------------|
| 1. 15480000. | 11. 252 pages. | 19. \$1110, \$740, | If cost ex- |
| 2. 148396. | 12. Mr. Dash | \$1850. | ceeds sell- |
| 3. 6676950. | owes Mr. | 20. \$40460. | ing price. |
| 4. 5640. | Blank \$24. | 21. \$1429. | 24. \$2888. |
| 5. \$64855. | 13. 2812992 lb. | 22. \$28470. | 26. Last is great- |
| 6. 124 mi. | 14. 6 mi. | 23. If selling | est; second |
| 7. 3960 mi. | 15. \$15555. | price ex- | is least. |
| 8. 47600 ap's. | 16. \$2450. | ceeds cost. | 27. 88 ; 932. |
| 10. 2623 ;
10492 trees. | 17. The latter. | | |
| | 18. 25578. | | |

Exercise 14.

31. 142 in.	42. 3357.	53. 47784.	63. 508097.
32. 295 ft.	43. 7329.	54. 43219.	64. 807904.
33. 238 da.	44. 9524.	55. 892787.	65. 2088099.
34. 296 men.	45. 2857.	56. 62159.	66. 1908207.
35. 159 T.	46. 65277.	57. 31421.	67. 9504203.
36. 369 men.	47. 37672.	58. 45367.	68. 760055.
37. 86 da.	48. 15432.	59. 41235.	69. 507804.
38. 275 pk.	49. 72469.	60. 57384.	70. 809516.
39. 157 yd.	50. 87893.	61. Q. = 404508,	71. Q. = 2804761,
40. 129 ft.	51. 61731.	R. = 2.	R. = 1.
41. 7562.	52. 82787.	62. 8090795.	72. 12013908.
73. 2496, 18901,	79. 4762, 1011558;	85. 5456.	
447039, 209048.	Q. = 175780,	86. 77513.	
74. 868;	R. = 3;	87. 479201.	
Q. = 102850,	2890103.	88. 3256, 4071, 370543,	
R. = 2;	80. 65044, 338201,	924608.	
1505293, 2057613.	423947, 8750151.	89. 2357, 50813, 74032,	
75. 35069, 84055,	81. 2638; 112483;	3901506.	
150621, 1024609.	Q. = 5569273,	90. \$ 1239.	
76. 50368, 708602,	R. = 1;	91. 286 wk.	
4300213, 1667003.	Q. = 7791495,	92. 788 bbl.	
77. 7507, 439080,	R. = 1.	93. 780 wk.	
18922594, 1251027.	82. 51626.	94. 5280 ft.	
78. 13393, 640261,	83. 53380.	95. 4075 bu.	
742084, 1975308.	84. 6374.	96. 3899 sq. yd.	
97. 12936.	108. Q. = 60086,	115. Q. = 445,	122. Q. = 153,
98. 715540.	R. = 1.	R. = 70.	R. = 570.
99. 2227.	109. Q. = 62411,	116. Q. = 1371,	123. Q. = 738,
100. 40275.	R. = 4.	R. = 66.	R. = 184.
101. 5468.	110. Q. = 1675,	117. Q. = 267,	124. Q. = 70,
102. 342.	R. = 8.	R. = 50.	R. = 792.
103. 22009.	111. Q. = 16048,	118. Q. = 4881.	125. Q. = 430,
104. 42165.	R. = 3.	R. = 150.	R. = 650.
105. Q. = 3926,	112. Q. = 4937,	119. Q. = 3255,	126. 306.
R. = 7.	R. = 10.	R. = 80.	127. 3934.
106. Q. = 2418,	113. Q. = 2255,	120. Q. = 239,	128. 1766.
R. = 1.	R. = 20.	R. = 70.	129. 86306.
107. Q. = 202405,	114. Q. = 21034,	121. Q. = 3592,	130. 181961.
R. = 3.	R. = 10.	R. = 300.	

Exercise 15.

1. 23.	33. 56.	63. 5298, 6309.	89. 14 yd.
2. 36.	34. 37.	64. 7035, 8704.	90. 12 T.
3. 17.	35. 29.	65. 78.	91. 234 oxen.
4. 28.	36. 173.	66. 93.	92. \$ 36.
5. 47.	37. Q. = 2140,	67. 27.	93. 2723.
6. 28 ft.	R. = 9.	68. 63.	94. 6175.
7. 46 T.	38. 327.	69. 308.	95. 9268.
8. 49 min.	39. 463.	70. 530.	96. Q. = 2304,
9. 84 hr.	40. 514.	71. Q. = 313,	R. = 1862.
10. 64 pages.	41. 623.	R. = 14.	97. Q. = 6507,
11. 85.	42. 528.	72. Q. = 140,	R. = 1444.
12. 116.	43. Q. = 546,	R. = 238.	98. Q. = 9506,
13. Q. = 75,	R. = 35.	73. Q. = 80,	R. = 4822.
R. = 16.	44. 846.	R. = 13.	99. 10960.
14. 178.	45. 503.	74. Q. = 68,	100. 5804.
15. 256.	46. 605.	R. = 828.	101. 9603.
16. 327.	47. 807.	75. Q. = 4875,	102. 4007.
17. 361.	48. 504.	R. = 1611.	103. 6009.
18. 426.	49. 407.	76. Q. = 1672,	104. 8007.
19. 559.	50. 609.	R. = 5813.	105. Q. = 43662,
20. 748.	51. 804.	77. 89; 132 da.	R. = 2575.
21. 205.	52. 1234.	78. 68; 190 bu.	106. 73048.
22. 307.	53. 3124.	79. 83 sq. in.	107. Q. = 790136,
23. 409.	54. 5205.	80. 205 bbl.	R. = 64304.
24. 507.	55. 6032.	81. 2054 yr. 290	108. 50441783.
25. 601.	56. 6507.	da.	109. 4000901.
26. 1032.	57. Q. = 7037,	82. 125000 da.	110. 49.
27. Q. = 2043,	R. = 399.	83. 500 sec.	111. 65.
R. = 32.	58. 8106.	84. 7208 sh.	112. 1.
28. 4028.	59. 9027.	85. \$ 235.	113. 32.
29. 5304.	60. 4213, 5608.	86. 80 ch.	114. 32.
30. 7009.	61. 3255, 7016.	87. 907.	115. 146.
31. 16.	62. 3631, 7803.	88. 4307.	116. 95.
32. 18.			

Exercise 16.

1. 37.	7. 209.	13. 399.	19. Q. = 9,
2. 62.	8. 356.	14. 427.	R. = 31.
3. 85.	9. 418.	15. 473.	20. Q. = 19,
4. 94.	10. 538.	16. 737.	R. = 15.
5. 131.	11. 627.	17. 813.	21. Q. = 12,
6. 246.	12. 818.	18. 863.	R. = 23.

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| 22. Q. = 17,
R. = 47. | 25. Q. = 29,
R. = 113. | 28. Q. = 2,
R. = 96. | 31. Q. = 20,
R. = 163. |
| 23. Q. = 8,
R. = 7. | 26. Q. = 32,
R. = 73. | 29. Q. = 21,
R. = 95. | 32. Q. = 16,
R. = 233. |
| 24. Q. = 25,
R. = 71. | 27. Q. = 24,
R. = 143. | 30. Q. = 18,
R. = 233. | 33. Q. = 13,
R. = 169. |

Exercise 17.

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| 1. 11167, 11628 votes. | 4. 30 and 60;
15 and 75. | 9. 11 and 121;
6 and 126. |
| 2. John, 78;
William, 39;
George, 13. | 8. 360 girls;
120 boys,
12 teachers. | 10. A, 600; B, 300;
C, 150; D, 50. |
| 3. 80, 20. | | 11. 27629 and 28700
votes. |

Exercise 18.

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|-----------|-------------|--------------|---------------|
| 1. 8900. | 10. 73000. | 19. 7469. | 28. 106900. |
| 2. 15900. | 11. 243000. | 20. 29008. | 29. 193500. |
| 3. 12100. | 12. 557250. | 21. 42912. | 30. 698000. |
| 4. 19425. | 13. 754. | 22. 72324. | 31. 13740000. |
| 5. 12150. | 14. 1152. | 23. 314370. | 32. 14400000. |
| 6. 36625. | 15. 1554. | 24. 713852. | 33. 33180000. |
| 7. 28000. | 16. 3233. | 25. 1761237. | 34. 64070000. |
| 8. 59150. | 17. 3354. | 26. 2375460. | 35. 15650000. |
| 9. 55200. | 18. 6460. | 27. 3474545. | |

Exercise 19.

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|--------------------------|---------------------------|--------------------------|---------------------------|
| 1. 3045. | 12. $95\frac{21}{75}$. | 23. $966\frac{25}{11}$. | 34. 913. |
| 2. 3575. | 13. $140\frac{11}{25}$. | 24. $467\frac{1}{3}$. | 35. $950\frac{2}{3}$. |
| 3. 2667. | 14. $65\frac{11}{15}$. | 25. $211\frac{11}{15}$. | 36. $1007\frac{17}{15}$. |
| 4. $1915\frac{1}{2}$. | 15. $390\frac{3}{5}$. | 26. $544\frac{11}{17}$. | 37. $147\frac{11}{15}$. |
| 5. 858. | 16. $108\frac{34}{175}$. | 27. $829\frac{11}{15}$. | 38. $187\frac{31}{111}$. |
| 6. 1260. | 17. 34. | 28. $593\frac{2}{5}$. | 39. $256\frac{11}{11}$. |
| 7. 10872. | 18. 48. | 29. $663\frac{11}{15}$. | 40. 311800. |
| 8. 5264. | 19. 56. | 30. $745\frac{11}{11}$. | 41. 444400. |
| 9. 10280. | 20. $72\frac{11}{15}$. | 31. 314. | 42. 345000. |
| 10. 9512. | 21. $90\frac{11}{15}$. | 32. $436\frac{11}{15}$. | 43. 3017000. |
| 11. $454\frac{11}{25}$. | 22. $121\frac{11}{15}$. | 33. $894\frac{11}{15}$. | |

Exercise 20.

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|-------------------|-------------------------------|------------|
| 1. \$5060. | 3. \$15690; \$3186. | 5. \$8568. |
| 2. \$2000; \$150. | 4. 12 hr.; 540 mi.;
10 hr. | 6. 27981. |

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|----------------------------|----------------|---------------|-----------|
| 7. Q. = 3485,
R. = 424. | 8. 1005415082. | 10. 42953119. | 12. 1763. |
| | 9. 696772. | 11. 12. | 13. 21. |

Exercise 22.

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|---------------------|----------------------|----------------------------|-----------------------------|
| 1. 3. | 10. 5. | 19. 4. | 26. Q. = 3,
R. = 24480. |
| 2. 4. | 11. 3. | 20. 2. | 27. Q. = 4,
R. = 9744. |
| 3. 2. | 12. 6. | 21. 102. | 28. Q. = 2,
R. = 199584. |
| 4. 8. | 13. 2. | 22. 24. | 29. Q. = 1,
R. = 424536. |
| 5. 4. | 14. 16. | 23. 3. | |
| 6. $8\frac{2}{3}$. | 15. 3. | 24. Q. = 13,
R. = 280. | |
| 7. 15. | 16. 8. | 25. Q. = 1,
R. = 12600. | |
| 8. 6. | 17. $1\frac{1}{2}$. | | |
| 9. 18. | 18. 27. | | |

Exercise 23.

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|-----------------|--------------|-------------|----------------|
| 1. 70%; \$2.25. | 7. \$341. | 13. \$900. | 19. 18 yd. |
| 2. 56%. | 8. 17649 lb. | 14. \$216. | 20. 32 bu. |
| 3. \$3.78. | 9. 34000 qt. | 15. 49 men. | 21. 9 firkins. |
| 4. \$1411. | 10. \$3250. | 16. 54 da. | 22. 4 rolls. |
| 5. \$575. | 11. \$20. | 17. 300 ft. | 23. 45 bales. |
| 6. 304 lb. | 12. \$60. | 18. 30 lb. | |

Exercise 24.

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|--------|--------|---------|---------|---------|
| 1. 6. | 6. 3. | 11. 12. | 16. 32. | 21. 10. |
| 2. 12. | 7. 24. | 12. 18. | 17. 4. | 22. 24. |
| 3. 15. | 8. 42. | 13. 24. | 18. 54. | 23. 18. |
| 4. 18. | 9. 6. | 14. 27. | 19. 8. | 24. 48. |
| 5. 16. | 10. 8. | 15. 30. | 20. 14. | |

Exercise 25.

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|-------|---------|---------|---------|---------|
| 1. 5. | 6. 9. | 11. 15. | 16. 7. | 21. 15. |
| 2. 4. | 7. 11. | 12. 21. | 17. 11. | 22. 13. |
| 3. 6. | 8. 12. | 13. 27. | 18. 16. | 23. 36. |
| 4. 8. | 9. 17. | 14. 31. | 19. 17. | 24. 29. |
| 5. 9. | 10. 13. | 15. 57. | 20. 8. | 25. 37. |

Exercise 26.

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|---------|-----------|-----------|-----------|-------------|
| 1. 24. | 7. 30. | 13. 840. | 19. 540. | 25. 1800. |
| 2. 45. | 8. 144. | 14. 5040. | 20. 2376. | 26. 5040. |
| 3. 50. | 9. 630. | 15. 3780. | 21. 504. | 27. 4620. |
| 4. 90. | 10. 360. | 16. 2310. | 22. 360. | 28. 24570. |
| 5. 168. | 11. 2592. | 17. 4004. | 23. 600. | 29. 198450. |
| 6. 140. | 12. 1680. | 18. 4620. | 24. 3696. | 30. 39270. |

Exercise 27.

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|-----------|-----------|------------|------------|
| 1. 7656. | 4. 13650. | 7. 201348. | 10. 4480. |
| 2. 16320. | 5. 16200. | 8. 686880. | 11. 1980. |
| 3. 7084. | 6. 20800. | 9. 13680. | 12. 11340. |

Exercise 28.

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|-----------|-------------------|-------------|-------------------|
| 1. 12. | 7. 6 and 6048. | 13. 3 ft. | 19. L. C. M. = |
| 2. 900. | 8. 8 and 480. | 14. 6 yd. | the product |
| 3. 2. | 9. 42 and 3780. | 15. 60 qt. | of the two |
| 4. 2100. | 10. 21 and 65520. | 16. 120 ft. | numbers. |
| 5. 17. | 11. 3 and 39780. | 17. 11 ft. | 20. An indefinite |
| 6. 39442. | 12. 7 and 767340. | 18. 13 bu. | number. |

Exercise 31.

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|------------------------|----------------------|-----------------------|-----------------------|-----------------------|
| 1. $1\frac{1}{2}$ in. | 8. $\frac{3}{5}$ yr. | 15. $1\frac{5}{8}$. | 21. $3\frac{3}{11}$. | 27. $5\frac{2}{7}$. |
| 2. $2\frac{2}{3}$ ft. | 9. $2\frac{2}{3}$. | 16. $1\frac{1}{12}$. | 22. $1\frac{1}{15}$. | 28. $3\frac{2}{3}$. |
| 3. $3\frac{2}{3}$ mi. | 10. $3\frac{2}{3}$. | 17. $2\frac{1}{4}$. | 23. $5\frac{9}{11}$. | 29. $1\frac{2}{3}$. |
| 4. $5\frac{2}{3}$ rd. | 11. $3\frac{1}{4}$. | 18. $2\frac{1}{2}$. | 24. $2\frac{2}{3}$. | 30. $1\frac{1}{10}$. |
| 5. $1\frac{1}{3}$ yd. | 12. $1\frac{1}{5}$. | 19. $7\frac{1}{10}$. | 25. $2\frac{1}{2}$. | 31. $1\frac{1}{10}$. |
| 6. $1\frac{1}{2}$ gal. | 13. $2\frac{1}{3}$. | 20. $1\frac{2}{5}$. | 26. $1\frac{2}{3}$. | 32. $2\frac{1}{2}$. |
| 7. $1\frac{1}{2}$ qt. | 14. $2\frac{1}{4}$. | | | |

Exercise 32.

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|-------------------------|--------------------------|-----------------------|-----------------------|------------------------|
| 1. $6\frac{1}{2}$ qt. | 7. $20\frac{1}{2}$ ft. | 13. $53\frac{1}{3}$. | 19. $10\frac{1}{2}$. | 25. $60\frac{2}{3}$. |
| 2. $7\frac{1}{2}$ mi. | 8. $\$29\frac{3}{10}$. | 14. $32\frac{1}{7}$. | 20. $18\frac{2}{3}$. | 26. $102\frac{2}{3}$. |
| 3. $18\frac{1}{2}$ in. | 9. $\$22\frac{1}{10}$. | 15. $26\frac{1}{4}$. | 21. $15\frac{1}{4}$. | 27. $94\frac{7}{10}$. |
| 4. $24\frac{1}{2}$ da. | 10. $\$58\frac{1}{15}$. | 16. $18\frac{1}{3}$. | 22. $25\frac{1}{3}$. | 28. $75\frac{1}{2}$. |
| 5. $23\frac{1}{2}$ wk. | 11. $\$35\frac{1}{3}$. | 17. $14\frac{1}{2}$. | 23. $36\frac{1}{2}$. | |
| 6. $19\frac{1}{2}$ gal. | 12. $\$68\frac{1}{11}$. | 18. $21\frac{1}{4}$. | 24. $48\frac{1}{2}$. | |

Exercise 33.

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|---------------------|----------------------|----------------------|------------------------|----------------------|
| 1. $\frac{1}{2}$. | 10. $\frac{1}{3}$. | 19. $\frac{2}{3}$. | 27. $\frac{1}{3}$. | 35. $\frac{1}{2}$. |
| 2. $\frac{1}{3}$. | 11. $\frac{1}{4}$. | 20. $\frac{1}{4}$. | 28. $\frac{1}{3}$. | 36. $\frac{1}{3}$. |
| 3. $\frac{1}{4}$. | 12. $\frac{1}{5}$. | 21. $\frac{1}{5}$. | 29. $\frac{1}{4}$. | 37. $\frac{1}{5}$. |
| 4. $\frac{1}{5}$. | 13. $\frac{1}{6}$. | 22. $\frac{1}{6}$. | 30. $\frac{1}{5}$. | 38. $\frac{1}{6}$. |
| 5. $\frac{1}{6}$. | 14. $\frac{1}{7}$. | 23. $\frac{1}{7}$. | 31. $\frac{1}{6}$. | 39. $\frac{1}{7}$. |
| 6. $\frac{1}{7}$. | 15. $\frac{1}{8}$. | 24. $\frac{1}{8}$. | 32. $\frac{1}{7}$ yr. | 40. $\frac{1}{8}$. |
| 7. $\frac{1}{8}$. | 16. $\frac{1}{9}$. | 25. $\frac{1}{9}$. | 33. $\frac{1}{8}$ ton. | 41. $\frac{1}{9}$. |
| 8. $\frac{1}{9}$. | 17. $\frac{1}{10}$. | 26. $\frac{1}{10}$. | 34. $\frac{1}{9}$ mi. | 42. $\frac{1}{10}$. |
| 9. $\frac{1}{10}$. | 18. $\frac{1}{11}$. | | | |

Exercise 34.

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|---|---|--|
| 1. $\frac{1}{2}, \frac{1}{3}$. | 14. $\frac{2}{3}, \frac{1}{6}, \frac{1}{6}$. | 27. $\frac{1}{10}, \frac{1}{10}, \frac{1}{10}, \frac{1}{10}$. |
| 2. $\frac{1}{4}, \frac{1}{4}$. | 15. $\frac{1}{3}, \frac{1}{3}, \frac{1}{3}$. | 28. $\frac{1}{4}$. |
| 3. $\frac{1}{6}, \frac{1}{6}$. | 16. $\frac{1}{12}, \frac{1}{12}, \frac{1}{12}$. | 29. $\frac{1}{5}$. |
| 4. $\frac{1}{2}, \frac{1}{2}$. | 17. $\frac{1}{3}, \frac{1}{3}, \frac{1}{3}$. | 30. $\frac{1}{6}$. |
| 5. $\frac{1}{3}, \frac{1}{3}$. | 18. $\frac{1}{4}, \frac{1}{4}, \frac{1}{4}$. | 31. $\frac{1}{5}$. |
| 6. $\frac{1}{6}, \frac{1}{6}$. | 19. $\frac{1}{6}, \frac{1}{6}, \frac{1}{6}$. | 32. $\frac{1}{4}$. |
| 7. $\frac{1}{3}, \frac{1}{3}$. | 20. $\frac{1}{15}, \frac{1}{15}, \frac{1}{15}$. | 33. $\frac{1}{5}$. |
| 8. $1\frac{1}{2}, 1\frac{1}{2}$. | 21. $1\frac{1}{5}, 1\frac{1}{5}, 1\frac{1}{5}$. | 34. $\frac{1}{2}$ and $\frac{1}{4}$; $\frac{1}{10}$ and $\frac{1}{5}$. |
| 9. $\frac{1}{6}, \frac{1}{6}$. | 22. $1\frac{1}{20}, 1\frac{1}{20}, 1\frac{1}{20}$. | 35. Yes. |
| 10. $\frac{1}{3}, \frac{1}{3}, \frac{1}{3}$. | 23. $\frac{1}{30}, \frac{1}{30}, \frac{1}{30}$. | 36. Yes. |
| 11. $\frac{1}{2}, \frac{1}{2}, \frac{1}{2}$. | 24. $1\frac{1}{4}, 1\frac{1}{4}, 1\frac{1}{4}$. | 37. $\frac{1}{3}$. |
| 12. $\frac{1}{3}, \frac{1}{3}, \frac{1}{3}$. | 25. $2\frac{1}{2}, 1\frac{1}{2}, 4\frac{1}{2}$. | 38. Yes; no; yes. |
| 13. $\frac{1}{2}, \frac{1}{2}, \frac{1}{2}$. | 26. $2\frac{1}{10}, 5\frac{1}{10}, 7\frac{1}{10}$. | |

Exercise 35.

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|---------------------|---------------------|-----------------------|-----------------------|-----------------------|
| 1. $1\frac{1}{2}$. | 5. $1\frac{1}{2}$. | 9. $1\frac{1}{6}$. | 13. $2\frac{3}{10}$. | 17. $3\frac{1}{10}$. |
| 2. $1\frac{1}{3}$. | 6. $1\frac{1}{3}$. | 10. $2\frac{1}{5}$. | 14. $1\frac{1}{4}$. | 18. $3\frac{1}{10}$. |
| 3. $1\frac{1}{6}$. | 7. $1\frac{1}{6}$. | 11. $1\frac{1}{10}$. | 15. $4\frac{1}{10}$. | 19. $4\frac{1}{10}$. |
| 4. $1\frac{1}{6}$. | 8. $1\frac{1}{6}$. | 12. $2\frac{1}{3}$. | 16. $4\frac{1}{10}$. | 20. $4\frac{1}{10}$. |

Exercise 36.

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|---------------------|---------------------|---------------------|-----------------------|----------------------|
| 1. $1\frac{1}{2}$. | 5. $2\frac{1}{4}$. | 8. $1\frac{1}{2}$. | 11. $\frac{1}{2}$. | 14. $1\frac{1}{6}$. |
| 2. $1\frac{1}{3}$. | 6. $1\frac{1}{3}$. | 9. $\frac{1}{3}$. | 12. $1\frac{1}{10}$. | 15. $1\frac{1}{4}$. |
| 3. $1\frac{1}{6}$. | 7. $1\frac{1}{6}$. | 10. $\frac{1}{3}$. | 13. 2. | 16. $2\frac{1}{3}$. |
| 4. $\frac{1}{3}$. | | | | |

Exercise 37.

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|----------------------|----------------------|-----------------------|-----------------------|-----------------------|
| 1. $6\frac{1}{2}$. | 5. $8\frac{1}{2}$. | 8. $12\frac{1}{2}$. | 11. $15\frac{1}{2}$. | 14. $18\frac{1}{2}$. |
| 2. $7\frac{1}{2}$. | 6. $12\frac{1}{2}$. | 9. $15\frac{1}{2}$. | 12. $21\frac{1}{2}$. | 15. $32\frac{1}{2}$. |
| 3. $12\frac{1}{2}$. | 7. $9\frac{1}{2}$. | 10. $24\frac{1}{2}$. | 13. $20\frac{1}{2}$. | 16. $25\frac{1}{2}$. |
| 4. $8\frac{1}{2}$. | | | | |

Exercise 38.

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|----------------------|-----------------------|----------------------|----------------------|-----------------------|
| 1. $\frac{1}{2}$. | 7. $2\frac{1}{10}$. | 13. $\frac{1}{10}$. | 19. $\frac{1}{10}$. | 25. $1\frac{1}{10}$. |
| 2. $\frac{1}{3}$. | 8. $1\frac{1}{10}$. | 14. $\frac{1}{10}$. | 20. $\frac{1}{10}$. | 26. $1\frac{1}{10}$. |
| 3. $\frac{1}{4}$. | 9. $\frac{1}{10}$. | 15. $\frac{1}{10}$. | 21. $\frac{1}{10}$. | 27. $1\frac{1}{10}$. |
| 4. $\frac{1}{5}$. | 10. $\frac{1}{10}$. | 16. $\frac{1}{10}$. | 22. $\frac{1}{10}$. | 28. $1\frac{1}{10}$. |
| 5. $\frac{1}{6}$. | 11. $\frac{1}{10}$. | 17. $\frac{1}{10}$. | 23. $\frac{1}{10}$. | 29. $1\frac{1}{10}$. |
| 6. $1\frac{1}{10}$. | 12. $1\frac{1}{10}$. | 18. $\frac{1}{10}$. | 24. $\frac{1}{10}$. | 30. $1\frac{1}{10}$. |

Exercise 39.

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|--------------------|---------------------|---------------------|---------------------|----------------------|
| 1. $2\frac{2}{11}$ | 8. $\frac{4}{7}$ | 14. $1\frac{1}{21}$ | 20. $\frac{2}{3}$ | 26. $8\frac{1}{2}$ |
| 2. $\frac{3}{10}$ | 9. $\frac{7}{2}$ | 15. $1\frac{1}{30}$ | 21. $1\frac{1}{3}$ | 27. $4\frac{1}{11}$ |
| 3. $1\frac{1}{4}$ | 10. $2\frac{1}{10}$ | 16. $\frac{7}{10}$ | 22. $1\frac{1}{3}$ | 28. $4\frac{2}{5}$ |
| 4. $2\frac{1}{2}$ | 11. $1\frac{1}{2}$ | 17. $3\frac{1}{4}$ | 23. $3\frac{7}{12}$ | 29. $16\frac{2}{15}$ |
| 5. $3\frac{5}{25}$ | 12. $1\frac{1}{12}$ | 18. $2\frac{2}{20}$ | 24. $1\frac{1}{2}$ | 30. $2\frac{1}{2}$ |
| 6. $\frac{1}{2}$ | 13. $2\frac{2}{55}$ | 19. $\frac{2}{3}$ | 25. $1\frac{1}{3}$ | 31. $4\frac{1}{11}$ |
| 7. $\frac{7}{10}$ | | | | |

Exercise 41.

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|-------------------|--------------------|---------------------|--------------------|-------------------------|
| 1. $1\frac{1}{2}$ | 6. 6. | 10. $7\frac{1}{8}$ | 14. $5\frac{1}{8}$ | 18. $11\frac{1}{2}$ |
| 2. $\frac{1}{4}$ | 7. $2\frac{1}{10}$ | 11. $6\frac{1}{3}$ | 15. $4\frac{1}{2}$ | 19. $\frac{1}{10}$ |
| 3. $\frac{1}{4}$ | 8. $2\frac{2}{20}$ | 12. $1\frac{1}{4}$ | 16. $2\frac{2}{4}$ | 20. $92\frac{1}{2}$ ft. |
| 4. $1\frac{1}{2}$ | 9. $\frac{2}{3}$ | 13. $3\frac{2}{20}$ | 17. $7\frac{1}{2}$ | 21. $\$38\frac{5}{10}$ |
| 5. $2\frac{1}{2}$ | | | | |

Exercise 42.

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|--------------------|--------------------|---------------------|---------------------|----------------------|
| 1. $2\frac{1}{2}$ | 9. $\frac{2}{3}$ | 17. $\frac{1}{2}$ | 25. $50\frac{1}{2}$ | 33. $\frac{1}{2}$ |
| 2. 8. | 10. $\frac{2}{3}$ | 18. $\frac{1}{2}$ | 26. $52\frac{1}{2}$ | 34. $21\frac{1}{2}$ |
| 3. $7\frac{1}{2}$ | 11. $\frac{2}{3}$ | 19. $\frac{1}{2}$ | 27. $\frac{1}{2}$ | 35. $7\frac{1}{4}$ |
| 4. $1\frac{1}{2}$ | 12. $\frac{1}{11}$ | 20. $\frac{2}{11}$ | 28. $\frac{1}{11}$ | 36. $1\frac{1}{2}$ |
| 5. $2\frac{1}{2}$ | 13. $\frac{2}{11}$ | 21. $\frac{2}{11}$ | 29. $\frac{1}{11}$ | 37. $12\frac{1}{10}$ |
| 6. $6\frac{1}{2}$ | 14. $\frac{2}{11}$ | 22. $11\frac{1}{2}$ | 30. $1\frac{1}{2}$ | 38. $35\frac{1}{2}$ |
| 7. $11\frac{1}{2}$ | 15. $\frac{1}{2}$ | 23. $10\frac{1}{2}$ | 31. $\frac{1}{2}$ | 39. $\frac{2}{3}$ |
| 8. $\frac{1}{2}$ | 16. $\frac{1}{2}$ | 24. $17\frac{1}{2}$ | 32. $\frac{1}{2}$ | |

Exercise 43.

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|------------------------|--------------------------|-------------------------------|-------------------------------|
| 1. 57. | 10. 944 $\frac{1}{2}$. | 19. 8 $\frac{1}{2}$. | 27. 175 sq. ft. |
| 2. 87. | 11. 672 $\frac{3}{11}$. | 20. 18 $\frac{1}{2}$. | 28. 299 $\frac{1}{2}$ sq. ft. |
| 3. 33. | 12. 11. | 21. 52. | 29. 627 $\frac{1}{2}$ sq. ft. |
| 4. 129. | 13. 6 $\frac{1}{2}$. | 22. 14 $\frac{1}{2}$. | 30. 527 $\frac{1}{2}$ sq. ft. |
| 5. 22 $\frac{1}{2}$. | 14. 49. | 23. 132. | 31. 820 sq. ft. |
| 6. 15 $\frac{1}{2}$. | 15. 18. | 24. 4 $\frac{1}{2}$. | 32. 276 sq. ft. |
| 7. 42 $\frac{3}{11}$. | 16. 302. | 25. 202 $\frac{2}{3}$ sq. ft. | 33. 345 $\frac{1}{2}$ sq. ft. |
| 8. 219 $\frac{1}{4}$. | 17. 469 $\frac{1}{4}$. | 26. 202 $\frac{1}{2}$ sq. ft. | 34. 360 $\frac{3}{8}$ sq. ft. |
| 9. 586 $\frac{2}{3}$. | 18. 949. | | |

Exercise 45.

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|-------------------------|---------------------------|--------------------------------|------------------------|
| 1. $\$33\frac{1}{2}$. | 6. $\$155\frac{1}{2}$. | 11. $\$6330\frac{1}{2}$. | 16. 702 ft. |
| 2. $\$115\frac{1}{2}$. | 7. $\$821\frac{1}{2}$. | 12. 164 $\frac{1}{2}$ sq. ft. | 17. $1\frac{1}{4}$. |
| 3. $\$15\frac{1}{2}$. | 8. $\$30$. | 13. 2508 $\frac{2}{3}$ sq. ft. | 18. $\frac{2}{3}$. |
| 4. $\$87\frac{1}{2}$. | 9. $\$277\frac{1}{2}$. | 14. $\frac{1}{2}$. | 19. $3\frac{1}{2}$ yd. |
| 5. $\$360$. | 10. $\$1658\frac{1}{2}$. | 15. $\frac{2}{3}$. | |

Exercise 46.

- | | | | | |
|---------------------|---------------------|----------------------|----------------------|--------------------|
| 1. $\frac{1}{13}$ | 9. $\frac{4}{25}$ | 17. $1\frac{1}{2}$ | 25. $42\frac{1}{2}$ | 33. $6\frac{1}{2}$ |
| 2. $\frac{5}{25}$ | 10. $1\frac{1}{25}$ | 18. $1\frac{1}{4}$ | 26. $76\frac{1}{2}$ | 34. $\frac{1}{2}$ |
| 3. $\frac{1}{25}$ | 11. $1\frac{2}{25}$ | 19. $1\frac{1}{2}$ | 27. $67\frac{1}{2}$ | 35. $\frac{1}{11}$ |
| 4. $1\frac{1}{105}$ | 12. $\frac{5}{205}$ | 20. $1\frac{1}{10}$ | 28. $41\frac{7}{18}$ | 36. $\frac{2}{3}$ |
| 5. $\frac{1}{215}$ | 13. 6. | 21. $\frac{2}{3}$ | 29. $4\frac{1}{2}$ | 37. $8\frac{1}{2}$ |
| 6. $\frac{2}{25}$ | 14. $\frac{3}{4}$ | 22. $21\frac{7}{10}$ | 30. $11\frac{1}{2}$ | 38. $2\frac{1}{2}$ |
| 7. $\frac{2}{25}$ | 15. $1\frac{1}{2}$ | 23. $15\frac{1}{2}$ | 31. $4\frac{1}{2}$ | 39. $3\frac{1}{2}$ |
| 8. $\frac{1}{18}$ | 16. $1\frac{1}{25}$ | 24. $35\frac{1}{2}$ | 32. $8\frac{1}{2}$ | |

Exercise 47.

- | | | | | |
|--------------------|---------------------|---------------------|---------------------|---------------------|
| 1. $\frac{1}{2}$ | 10. $\frac{1}{8}$ | 19. $8\frac{7}{17}$ | 28. $\frac{1}{2}$ | 37. $3\frac{1}{2}$ |
| 2. $\frac{1}{2}$ | 11. $2\frac{1}{10}$ | 20. $\frac{1}{27}$ | 29. $\frac{1}{17}$ | 38. $18\frac{1}{2}$ |
| 3. $\frac{1}{2}$ | 12. $7\frac{1}{2}$ | 21. $3\frac{1}{2}$ | 30. $6\frac{1}{2}$ | 39. $2\frac{1}{2}$ |
| 4. $\frac{1}{2}$ | 13. 28. | 22. $\frac{2}{3}$ | 31. $\frac{1}{2}$ | 40. 18. |
| 5. $2\frac{1}{2}$ | 14. $2\frac{1}{11}$ | 23. $\frac{1}{2}$ | 32. $3\frac{1}{10}$ | 41. $1\frac{1}{2}$ |
| 6. $2\frac{5}{11}$ | 15. 1. | 24. $\frac{1}{2}$ | 33. $3\frac{2}{10}$ | 42. $\frac{2}{3}$ |
| 7. $\frac{2}{3}$ | 16. $\frac{1}{11}$ | 25. $\frac{1}{2}$ | 34. $\frac{2}{3}$ | 43. $6\frac{1}{2}$ |
| 8. $7\frac{1}{2}$ | 17. 8. | 26. $\frac{1}{2}$ | 35. $2\frac{1}{3}$ | |
| 9. $1\frac{1}{2}$ | 18. $\frac{1}{10}$ | 27. $\frac{1}{2}$ | 36. $3\frac{1}{2}$ | |

Exercise 48.

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|--------------------|----------------------|--------------------|---------------------|---------------------|
| 1. $\frac{2}{3}$ | 5. $2\frac{1}{2}$ T. | 9. $\frac{1}{35}$ | 13. 18. | 17. 1. |
| 2. $\frac{1}{30}$ | 6. $1\frac{1}{4}$ | 10. $\frac{1}{3}$ | 14. 18. | 18. $11\frac{1}{2}$ |
| 3. $1\frac{1}{10}$ | 7. $\frac{7}{20}$ | 11. $2\frac{1}{2}$ | 15. $37\frac{1}{2}$ | 19. 440. |
| 4. $\frac{1}{24}$ | 8. $\frac{1}{23}$ | 12. $2\frac{1}{2}$ | 16. $1\frac{1}{2}$ | 20. $12\frac{1}{2}$ |

Exercise 49.

- | | | | |
|---------------------------------------|-------------------------|-------------------------------|----------------------------|
| 1. 22 ϕ ; 9 $\frac{7}{20}\phi$. | 4. $5\frac{3}{4}$ T. | 7. 5831 $\frac{1}{2}$ lb. | 10. 8 $\frac{1}{2}$ rolls. |
| 2. $\$40\frac{1}{2}$. | 5. $\$201\frac{1}{2}$. | 8. 2438 $\frac{1}{2}$ cu. in. | 11. $11\frac{1}{4}$ l. |
| 3. $50\frac{1}{2}$ yd. | 6. 24 $\frac{1}{2}$ lb. | 9. 325 $\frac{1}{2}$ in. | |

Exercise 50.

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|------------------------|-----------------------------|------------------------|-----------------|
| 1. 546 p. | 7. $\$95\frac{1}{2}$. | 13. $\$3\frac{1}{2}$. | 19. 30 m.; 6 m. |
| 2. $\$8550$. | 8. $214\frac{1}{2}$ cu. in. | 14. $\$165$. | 20. 497 A.; |
| 3. $\$100977$. | 9. 23 $\frac{1}{2}$ c. | 15. 48 m. | 213 A. |
| 4. 5300 mi. | 10. $466\frac{1}{4}$ h. | 16. 80 A. | 21. 372 p. |
| 5. $\$30\frac{1}{2}$. | 11. $\$83\frac{1}{2}$. | 17. 360 p. | 22. $\$12600$. |
| 6. $\$41\frac{1}{2}$. | 12. $62\frac{1}{2}$ lb. | 18. 112 ft. | |

Exercise 51.

1. Letter; $\frac{1}{2}$.	30. $2\frac{1}{2}$.	58. $1\frac{3}{8}$.	86. $490\frac{1}{2}$ A.
2. Letter; $\frac{1}{10}$.	31. $12\frac{1}{2}$.	59. $\frac{1}{10}$.	87. $1\frac{1}{2}$.
3. $1\frac{1}{2}$.	32. 9.	60. $\frac{1}{11}$.	88. $\$2401\frac{3}{4}$.
4. $38\frac{1}{2}$.	33. $22\frac{1}{2}$.	61. $7\frac{1}{2}$.	89. $100\frac{1}{2}$ qt.
5. $23\frac{1}{2}$.	34. $13\frac{1}{2}$.	62. $1\frac{1}{2}$.	90. $\$7\frac{1}{2}$ per yd.
6. $62\frac{1}{2}$.	35. 4.	63. $1\frac{1}{2}$.	91. $\$45937\frac{1}{2}$.
7. $26\frac{1}{2}$.	36. 316.	64. $2\frac{1}{2}$.	92. $\frac{1}{2}$.
8. $53\frac{1}{2}$.	37. 224.	65. $3\frac{1}{2}$.	93. $1\frac{1}{2}$.
9. $19\frac{1}{2}$.	38. $1\frac{1}{2}$.	66. $1\frac{1}{2}$.	94. $1\frac{1}{2}$.
10. $2\frac{1}{2}$.	39. $1\frac{1}{2}$.	67. $3\frac{1}{2}$.	95. 6.
11. $1\frac{1}{2}$.	40. $2\frac{1}{2}$.	68. $4\frac{1}{2}$.	96. $\$6\frac{1}{2}$.
12. $\frac{1}{2}$.	41. $1\frac{1}{2}$.	69. $\frac{1}{2}$.	97. Increased;
13. $1\frac{1}{2}$.	42. $1\frac{1}{2}$.	70. $\$1620$.	$\frac{1}{2}$.
14. $9\frac{1}{2}$.	43. $14\frac{1}{2}$.	71. $1\frac{1}{2}$.	98. Dim'd; $\frac{1}{2}$.
15. $1\frac{1}{2}$.	44. $\frac{1}{2}$.	72. 9.	99. $138\frac{1}{2}$.
16. $1\frac{1}{2}$.	45. $\frac{1}{2}$.	73. $4\frac{1}{2}$.	100. 528 A.
17. $1\frac{1}{2}$.	46. $\frac{1}{2}$.	74. $78\frac{1}{2}$.	101. $\$15\frac{1}{2}$.
18. $1\frac{1}{2}$.	47. $\frac{1}{2}$.	75. $7\frac{1}{2}$.	102. $17\frac{1}{2}$ c.
19. $6\frac{1}{2}$.	48. $\frac{1}{2}$.	76. $1\frac{1}{2}$; $\$32\frac{1}{2}$.	103. $6\frac{1}{2}$ da.
20. $3\frac{1}{2}$.	49. $\frac{1}{2}$.	77. $\frac{1}{2}$.	104. $\$27\frac{1}{2}$.
21. $3\frac{1}{2}$.	50. $1\frac{1}{2}$.	78. 262.	105. $9\frac{1}{2}$ T.
22. $4\frac{1}{2}$.	51. $1\frac{1}{2}$.	79. 75.	106. Dim'd; $1\frac{1}{2}$.
23. $9\frac{1}{2}$.	52. $\frac{1}{2}$.	80. 60 boys.	107. $\$90$; $\$70$.
24. $3\frac{1}{2}$.	53. $\frac{1}{2}$.	81. 90 w. balls.	108. 265; $35\frac{1}{2}$.
25. $1\frac{1}{2}$.	54. $\frac{1}{2}$.	82. 625 sheep.	109. Last, $7\frac{1}{2}$ da.
26. $24\frac{1}{2}$.	55. $3\frac{1}{2}$.	83. $3\frac{1}{2}$ mi. an hr.	110. $9\frac{1}{2}$ da.
27. $3\frac{1}{2}$.	56. $\frac{1}{2}$.	84. 650 T.	111. Last, 3 da.
28. $6\frac{1}{2}$.	57. $7\frac{1}{2}$.	85. 90 A.	112. $3\frac{1}{2}$ hr.
29. $4\frac{1}{2}$.			

Exercise 53.

1. $\$198.27$.	4. $\$134.98$.	7. 373.039.
2. 108.506 in.	5. $\$490.18$.	8. 74.4964 mi.
3. 65.5051 sq. yd.	6. 3150.356.	9. 8020.528964.

Exercise 54.

1. $\$4.14$.	6. 221.5119.	11. 1.54.	16. 271.395.	21. $\$12.77$.
2. $\$13.446$.	7. 9.5243.	12. .296.	17. .9.	22. .001265.
3. 32.77 in.	8. .8293.	13. .0933.	18. .007.	23. $\$128.48$.
4. 17.127.	9. .17.	14. .0102.	19. 9.999.	24. $\$84.94$.
5. 47.18.	10. .18.	15. 63.662.	20. 1.989797.	25. 399.441.

Exercise 55.

1. 41.5.	9. 4.	13. 100.2001.	17. 24.	21. $\$3906.28$.
2. 4.2.	10. 4.	14. .09018009.	18. 4.90038.	22. 272.85.
3. .38.	11. .01.	15. 108.	19. .616.	23. 20.3186.
4. 1.56.	12. .1.	16. 484.	20. .145435.	24. $\$1236.02$.
5. .616.				

Exercise 56.

1. 2.5.	11. 3.	21. 1000.	31. 112.	40. 21.4.
2. .015.	12. 3.	22. .0001.	32. .00112.	41. 808.08.
3. .18.	13. .9.	23. 500.	33. .0005.	42. 800808.
4. 8.	14. 7.	24. 4.	34. 32.	43. .0164.
5. .0011.	15. 12.	25. 800.	35. 31.5.	44. 6.
6. .0019.	16. 28.	26. 7.	36. 2.51.	45. .3737 +.
7. .279.	17. .1.	27. 3100.	37. .1012.	46. 1.3808 +.
8. 8.	18. 10.	28. 17700.	38. 205200.	47. 3.3061 +.
9. 30.	19. .01.	29. 1000.	39. 43.6.	48. .1327 +.
10. 3.	20. .09.	30. .0019.		

Exercise 57.

1. $\frac{1}{2}$.	5. $\frac{1}{10}$.	9. $\frac{1}{2}$.	13. $\frac{1}{100}$.	17. $\frac{1}{2}$.	21. $\frac{1}{2}$.	25. $61\frac{1}{2}$.
2. $\frac{1}{4}$.	6. $\frac{1}{5}$.	10. $\frac{1}{2}$.	14. $\frac{1}{10}$.	18. $\frac{1}{10}$.	22. $\frac{1}{2}$.	26. $10\frac{1}{100}$.
3. $\frac{1}{5}$.	7. $\frac{1}{10}$.	11. $\frac{1}{10}$.	15. $\frac{1}{5}$.	19. $\frac{1}{5}$.	23. $2\frac{1}{2}$.	27. $7\frac{1}{2}$.
4. $\frac{1}{5}$.	8. $\frac{1}{10}$.	12. $\frac{1}{100}$.	16. $\frac{1}{5}$.	20. $\frac{1}{5}$.	24. $5\frac{1}{2}$.	28. $1\frac{1}{10}$.

Exercise 58.

1. .5.	2. 85.	3. .16666 $\frac{2}{3}$.	4. .23333 $\frac{1}{3}$.
.25.	1.45.	.28571 $\frac{2}{7}$.	.0225.
.75.	1.3125.	.55555 $\frac{5}{9}$.	.01833 $\frac{1}{3}$.
.8.	4.72.	.63636 $\frac{7}{11}$.	.00385 $\frac{7}{18}$.
.125.	.234375.	.61538 $\frac{8}{13}$.	.00411 $\frac{1}{24}$.
.625.	.484375.	.88235 $\frac{6}{7}$.	1.98684 $\frac{4}{5}$.
.4375.	.4375.	.21052 $\frac{1}{5}$.	.02736 $\frac{4}{15}$.
.6875.	3.3375.	1.06666 $\frac{2}{3}$.	5. .25; 4; 14 $\frac{2}{3}$.
.32.	1.8875.	3.26666 $\frac{5}{3}$.	6. .33 $\frac{1}{3}$; 4; .08.
.84.		5.47619 $\frac{3}{11}$.	7. .66 $\frac{2}{3}$; 4; 125.
.59375.			8. .66 $\frac{2}{3}$; .375;
.96875.			.5625.

Exercise 59.

1. 11.205.	4. 7.5691 $\frac{1}{3}$.	7. 35.27862.	10. .06586 $\frac{1}{3}$.
2. 4.7665.	5. 599.4.	8. .0007781 $\frac{1}{4}$.	11. 147.
3. 1.8057.	6. 80.799924.	9. 225127504.	12. .00065.

13. 34000.	16. 20000.	19. .0009125.	22. 30 bu.
14. .000004.	17. .0000001.	20. 32080.	23. $3\frac{1}{4}$.
15. 1670000.	18. 100000000.	21. 17.674.	

Exercise 60.

1. \$161.27.	11. 13 ch.	20. \$6.75.	29. \$53.33.
2. \$61.47.	12. 28.5 A.	21. \$18.	30. \$9.
3. \$71.68.	13. 41 p.	22. \$23.33.	31. \$28.88.
4. \$90.22.	14. 49 sh.	23. \$39.60.	32. \$15.33.
5. \$69.75.	15. \$91.35.	24. \$62.67.	33. \$12.
6. \$5.33.	16. \$253.19 $\frac{1}{4}$.	25. \$59.50.	34. \$7.63.
7. \$2.06.	17. \$5.43 $\frac{3}{4}$.	26. \$11.88.	35. \$9.40.
8. \$3386.12 $\frac{1}{2}$.	18. \$.50.	27. \$62.25.	36. \$6.33.
9. \$9.91 $\frac{3}{4}$.	19. \$372.50.	28. \$51.33.	37. \$68.25.
10. \$2.12 $\frac{1}{2}$.			

Exercise 61.

1. \$8.73.	3. \$10.435.	5. \$169.20.	7. \$151.02.
2. \$32.96.	4. \$9.03.	6. \$27.04.	8. \$436.20.

Exercise 62.

1. \$77.36.	3. Dealer owes	4. \$374.64.	6. \$337.50.
2. \$622.79.	32 $\frac{1}{2}$ ¢.	5. \$487.33.	7. \$1653.75.

Exercise 64.

1. 117930 oz.	9. 10 T. 8 cwt. 5 oz.
2. 10080 lb.	10. 9 T. 70 lb. 15 oz.
3. 193615 oz.	11. 2317766 oz.
4. 25211 oz.	12. 19 cwt. 28 lb. 6 oz.
5. 91790 lb.	13. 64 f.
6. 3 T. 15 cwt. 40 lb. 10 oz.	14. 48 men.
7. 7 T. 8 cwt. 9 lb. 5 oz.	15. 44 b.
8. 6 T. 12 cwt. 80 lb.	16. 9 T. 17 cwt. 95 lb.

Exercise 66.

1. 1556 gr.	8. 10 oz. 13 pwt. 5 gr.
2. 3738 gr.	9. 3 lb. 11 oz. 14 pwt.
3. 32889 gr.	10. 5 lb. 6 oz. 21 gr.
4. 50,412 gr.	11. 8 lb. 16 pwt. 10 gr.
5. 46,222 gr.	12. 4 lb. 8 oz. 5 pwt. 9 gr.
6. 3018 pwt.	13. 2 lb. 10 oz. 10 pwt.; 11 medals.
7. 2 lb. 7 oz. 10 pwt. 16 gr.	

Exercise 67.

1. 2628 gr.	5. 33940 gr.	9. 1 lb. 6 $\frac{3}{4}$ 1 \ominus 5 gr.
2. 21490 gr.	6. 57792 gr.	10. 3 lb. 3 $\frac{3}{4}$ 2 \ominus .
3. 11855 gr.	7. 10 $\frac{3}{4}$ 5 $\frac{3}{4}$ 2 \ominus 8 gr.	11. 4 lb. 1 $\frac{3}{4}$ 6 $\frac{3}{4}$ 17 gr.
4. 2916 gr.	8. 3 $\frac{3}{4}$ 4 $\frac{3}{4}$ 11 gr.	12. 7 lb. 2 \ominus 10 gr.

Exercise 69.

1. 737 ft.	9. 5 yd. 2 ft. 10 in.	14. 7 mi. 305 rd. 2 yd.
2. 12637 $\frac{1}{2}$ ft.	10. 8 rd. 3 yd. 1 ft. 6 in.	2 ft. 3 in.
3. 19978 ft.	11. 2 mi. 220 rd. 2 yd.	15. 1125 l.
4. 21131 ft.	2 ft.	16. 24000 l.
5. 7306 in.	12. 6 mi. 5 yd. 1 in.	17. 5 l.
6. 721 in.	13. 4 mi. 125 rd. 2 ft.	18. 2464 rails.
7. 160566 in.	8 in.	19. \$121893.75.
8. 237620 in.		20. 2300 panels.

Exercise 71.

1. 1674 $\frac{1}{2}$ sq. ft.	8. 60 sq. rd. 25 sq. yd.	11. 2 A. 112 sq. rd. 21 sq. yd. 3 sq. ft.
2. 102456 sq. ft.	7 sq. ft.	12. 93 sq. rd. 9 sq. yd. 2 sq. ft. 6 sq. in.
3. 130903 sq. ft.	9. 24 sq. rd. 2 sq. yd. 8 sq. ft. 80 sq. in.	13. 6400 sq. ch.; 50 sq. ch.
4. 10900 sq. in.	10. 30 sq. yd. 5 sq. ft. 125 sq. in.	14. 2 sq. mi. 220 A.
5. 138373 sq. in.		
6. 25095024 sq. in.		
7. 3 A. 88 sq. rd. 6 sq. yd.		

Exercise 73.

1. 102152 cu. in.	5. 3 cu. yd. 15 cu. ft. 525 cu. in.	7. 127 cu. yd. 26 cu. ft.
2. 155 cu. ft.		
3. 960 cu. ft.	6. 75 cu. yd. 21 cu. ft.	8. 4 cu. yd. 20 cu. ft.; 91 $\frac{1}{4}$ cords.
4. 474 cu. ft.		

Exercise 75.

1. 380 pt.	8. 3 bu. 2 pk. 4 qt. 1 pt.	14. 14.93 cu. ft.
2. 779 pt.	9. 5 bbl. 20 gal. 2 qt.	15. 67.2 cu. in.; 57 $\frac{3}{4}$ cu. in.
3. 689 pt.	10. 4 bu. 3 pk. 7 qt. 1 pt.	
4. 685 pt.	11. 3 bbl. 8 gal. 1 qt. 3 gi.	16. 9.31 nearly.
5. 277 qt.		17. \$1.88.
6. 831 qt.	12. 25 bu. 1 pk. 6 qt. 1 pt.	18. \$10.50.
7. 27 gal. 3 qt. 1 pt. 2 gi.	13. 7276 $\frac{1}{2}$ cu. in.	19. 48 gal. 1 pt.

Exercise 77.

1. 326 far.	3. 16115 far.	5. \$7; 28¢.
2. 9949 far.	4. 70735 far.	6. \$34; 52¢.