

Chapter 3

Vocabulary Check 1. like 2. least common multiple 3. equivalent 4. mixed number 5. $>$ 6. $<$ 7. least common denominator
8. unlike 9. exponent

Chapter 3 Review 1. $\frac{10}{11}$ 2. $\frac{3}{25}$ 3. $\frac{2}{3}$ 4. $\frac{1}{7}$ 5. $\frac{3}{5}$ 6. $\frac{3}{5}$ 7. 1 8. 1 9. $\frac{19}{25}$ 10. $\frac{16}{21}$ 11. $\frac{3}{4}$ of his homework 12. $\frac{3}{2}$ or $1\frac{1}{2}$ mi 13. 55
14. 60 15. 120 16. 80 17. 252 18. 72 19. $\frac{56}{64}$ 20. $\frac{20}{30}$ 21. $\frac{21}{33}$ 22. $\frac{20}{26}$ 23. $\frac{16}{60}$ 24. $\frac{25}{60}$ 25. $\frac{11}{18}$ 26. $\frac{7}{15}$ 27. $\frac{7}{26}$ 28. $\frac{17}{36}$ 29. $\frac{41}{42}$
30. $\frac{43}{72}$ 31. $\frac{13}{45}$ 32. $\frac{39}{70}$ 33. $\frac{19}{9}$ or $2\frac{1}{9}$ m 34. $\frac{3}{2}$ or $1\frac{1}{2}$ ft 35. $\frac{1}{4}$ of a yd 36. $\frac{7}{10}$ has been cleaned 37. $45\frac{16}{21}$ 38. 60 39. $32\frac{13}{22}$ 40. $3\frac{19}{60}$
41. $111\frac{5}{18}$ 42. $20\frac{7}{24}$ 43. $5\frac{16}{35}$ 44. $3\frac{4}{55}$ 45. $7\frac{4}{5}$ in. 46. $11\frac{1}{6}$ ft 47. 5 ft 48. $\frac{1}{40}$ oz 49. $<$ 50. $>$ 51. $<$ 52. $>$ 53. $>$

54. $>$ 55. $\frac{9}{49}$ 56. $\frac{64}{125}$ 57. $\frac{9}{400}$ 58. $\frac{9}{100}$ 59. $\frac{8}{13}$ 60. 2 61. $\frac{81}{196}$ 62. $\frac{1}{7}$ 63. $\frac{13}{18}$ 64. $\frac{11}{15}$ 65. $\frac{1}{7}$ 66. $\frac{18}{5}$ or $3\frac{3}{5}$ 67. $\frac{45}{28}$ or $1\frac{17}{28}$ 68. $\frac{5}{6}$
69. $\frac{99}{56}$ or $1\frac{43}{56}$ 70. $\frac{29}{110}$ 71. $\frac{29}{54}$ 72. $\frac{37}{60}$ 73. 21 moons 74. $15\frac{5}{8}$ acres 75. each measurement is $4\frac{1}{4}$ in. 76. $\frac{7}{10}$ yd 77. perimeter: $1\frac{6}{11}$ mi;
area: $\frac{3}{22}$ sq mi 78. perimeter: $2\frac{1}{3}$ m; area: $\frac{5}{16}$ sq m 79. 90 80. 60 81. $\frac{40}{48}$ 82. $\frac{63}{72}$ 83. $\frac{1}{6}$ 84. $\frac{1}{5}$ 85. $\frac{11}{12}$ 86. $\frac{27}{55}$
87. $13\frac{5}{12}$ 88. $12\frac{3}{8}$ 89. $3\frac{16}{35}$ 90. $8\frac{1}{21}$ 91. $\frac{11}{25}$ 92. $\frac{1}{8}$ 93. $\frac{1}{144}$ 94. $\frac{64}{27}$ or $2\frac{10}{27}$ 95. $\frac{5}{17}$ 96. $\frac{1}{12}$ 97. $<$ 98. $>$ 99. $\frac{1}{2}$ hr 100. $6\frac{7}{20}$ lb
101. $44\frac{1}{2}$ yd 102. $2\frac{2}{15}$ ft 103. $7\frac{1}{2}$ tablespoons 104. $\frac{3}{8}$ gal

Cumulative Review 1. eighty-five (Sec. 1.2, Ex. 4) 2. one hundred seven 3. one hundred twenty-six (Sec. 1.2, Ex. 5) 4. five thousand, twenty-six
5. 159 (Sec. 1.3, Ex. 1) 6. 19 in. 7. 514 (Sec. 1.4, Ex. 3) 8. 121 R 1 9. 278,000 (Sec. 1.5, Ex. 2) 10. 1, 2, 3, 5, 6, 10, 15, 30
11. 20, 296 (Sec. 1.6, Ex. 4) 12. 0 13. a. 7 b. 12 c. 1 d. 1 e. 20 f. 1 (Sec. 1.7, Ex. 2) 14. 25 15. 1038 mi (Sec. 1.8, Ex. 1)
16. 11 17. 81 (Sec. 1.9, Ex. 5) 18. 125 19. 81 (Sec. 1.9, Ex. 7) 20. 1000 21. $\frac{4}{3}$ or $1\frac{1}{3}$ (Sec. 2.1, Ex. 15) 22. $\frac{11}{4}$ or $2\frac{3}{4}$
23. $\frac{5}{2}$ or $2\frac{1}{2}$ (Sec. 2.1, Ex. 16) 24. $\frac{14}{3}$ or $4\frac{2}{3}$ 25. 3, 11, 17 are prime; 9, 26 are composite; (Sec. 2.2, Ex. 2) 26. 5 27. $2^2 \cdot 3^2 \cdot 5$ (Sec. 2.2, Ex. 4)
28. 62 29. $\frac{36}{13}$ or $2\frac{10}{13}$ (Sec. 2.3, Ex. 5)