

Answer Key

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|-------------------------------------|--|
| 1. 0.05 | 43. $1\frac{2}{5}$ |
| 2. 0.1 | 44. $\frac{9}{10}$ |
| 3. 0.15 | 45. $2\frac{7}{9}$ |
| 4. 0.2 | 46. 144 |
| 5. 0.25 | 47. 441 |
| 6. $\frac{44}{100} = \frac{11}{25}$ | 48. 169 |
| 7. $\frac{48}{100} = \frac{12}{25}$ | 49. 961 |
| 8. $\frac{52}{100} = \frac{13}{25}$ | 50. 1024 |
| 9. $\frac{56}{100} = \frac{14}{25}$ | 51. 1296 |
| 10. $\frac{60}{100} = \frac{3}{5}$ | 52. 484 |
| 11. $\frac{55}{100} = 55\%$ | 53. 529 |
| 12. $\frac{60}{100} = 60\%$ | 54. 576 |
| 13. $\frac{65}{100} = 65\%$ | 55. 729 |
| 14. $\frac{70}{100} = 70\%$ | 56. $\frac{27}{280}$ |
| 15. $\frac{75}{100} = 75\%$ | LCD = 280 |
| 16. 0.0024 | 57. $\frac{13}{20}$ |
| 17. 0.0021 | LCD = 20 |
| 18. 0.015 | 58. $\frac{11}{72}$ |
| 19. 0.0012 | LCD = 72 |
| 20. 0.021 | 59. $\frac{5}{36}$ |
| 21. 0.15 | LCD = 36 |
| 22. 0.0015 | 60. $\frac{23}{45}$ |
| 23. 0.021 | LCD = 45 |
| 24. 0.018 | 61. $\frac{7}{40}$ |
| 25. 0.0018 | LCD = 40 |
| 26. 29 | 62. $\frac{1}{180}$ |
| 27. 29 | LCD = 180 |
| 28. 13 | 63. $\frac{1}{12}$ |
| 29. 59 | LCD = 12 |
| 30. 10 | 64. $\frac{1}{45} (= \frac{4}{180})$ |
| 31. 25 | LCD = 180 |
| 32. 6 | 65. $\frac{1}{4} (= \frac{3}{12})$ |
| 33. 8 | LCD = 12 |
| 34. 6 | 66. $\frac{6}{24} = \frac{1}{4} = 0.25 = 25\%$ |
| 35. 10 | 67. (a) 25% (b) 75% |
| 36. $\frac{2}{3}$ | 68. (a) 60% (b) 40% |
| 37. $\frac{3}{11}$ | 69. $1 - 24\% - 13\% - 41\% = \underline{22\%}$ |
| 38. $\frac{5}{7}$ | 70. $\frac{3}{8} = 37.5\%$ |
| 39. $\frac{1}{4}$ | 71. $0.55 \times 40 = 22$ |
| 40. $\frac{7}{9}$ | 72. $620 \times 0.55 = \$341$ |
| 41. $3\frac{4}{7}$ | 73. $75 \times \frac{1}{5} = 15$ |
| 42. $\frac{7}{20}$ | 74. $19 \times 2 - 16 = 22$ |
| | 75. $120 \times 60\% = 120 \times 0.6 = 12 \times 6 = 72 \text{ lb}$ |

MAP 250 (T2) Issue 6

76. $102 - 85 = 17$
 $\frac{17}{85} = \frac{1}{5} = 0.2 = 20\%$
77. $20\% \times 50 = 0.2 \times 50 = 10$
78. (a) $\frac{16}{25} = 64\%$ (B)
(b) $\frac{9}{25} = 36\%$ (G)
79. 80%
80. $\frac{2}{3} = 0.6\overline{6} = 66\frac{2}{3}\% = 66\frac{2}{3}\%$ (precise percent)
81. $\frac{3}{4} \times (1 - \frac{2}{3}) = 1/4$
82. $243 - 83 = 160$
 $160 \div 80 = 2$
 $2 \times 37.50 = \$75.00$
83. $400 \times 15\% = 400 \times 0.15 = 4 \times 15 = \60
84. $(6\frac{1}{6} + 4\frac{1}{3}) \times 12 = 126$ roses
85. $2\frac{1}{2} \times 12 = 24 + 6 = 30$ inches
86. B
A: $12.60 \div 30 = 0.42$ per pound
B: $30.12 \div 80 = 0.38$ per pound
87. $\frac{6}{24} = \frac{1}{4} = 0.25 = 25\%$
88. $96 \div 6 = 16$ (miles per gallon)
 $240 \div 16 = 15$ gallons
89. D
90. $11 + 22 + 33 = 66$
 $\frac{11+33}{66} = \frac{2}{3} = 2/3$
91. distance = $\frac{2}{3} \times 6 = 4$ miles
time for biking = $\frac{4}{8} = \frac{1}{2}$ hr = 30 min
92. $136 \div 16 = 8.5$ (lb)
93. 160000
94. $9 + 2 + 2 = 13$
95. A
Shoppers: $1.87 \div 6 = 0.31\dots$
Thrift Way: $2.90 \div 8 = 0.36\dots$