

Answer Key

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|-----------|---|
| 1. 55 | 32. $1/32$ |
| 2. 22 | 33. $1/64$ |
| 3. 37 | 34. $\square = 2, \Delta = 5$ |
| 4. 56 | 35. $\square = 2, \Delta = 16$ |
| 5. 28 | 36. 3 |
| 6. 155 | 37. $1/64$ |
| 7. 138 | 38. 4 |
| 8. 166 | 39. $4/5$ |
| 9. 216 | 40. 5 |
| 10. 227 | 41. $2 \frac{7}{9}$ |
| 11. 3 | 42. $2/7$ |
| 30 | 43. $2/3$ |
| 3 | 44. $3 \frac{1}{8}$ |
| 300 | 45. $3/7$ |
| 12. 5 | 46. .375 |
| 50 | 47. $(560 - 500) \div 5 - 1 = 11$ |
| 5 | 48. $\frac{5}{8} = 5/8$ |
| 500 | 49. $\frac{7}{8} = 7/8$ |
| 13. 7 | 50. 123.4 |
| 70 | 51. 20 |
| 7 | 52. $200 \div 9 = 22R2$ |
| 700 | Ans = 22 & 2 (R) |
| 14. 9 | 53. 240 |
| 90 | 54. 112 |
| 9 | 55. $5 \times 12 = 60$ |
| 90 | $60 - 4 = 56$ |
| 15. 3 | $56 \div 7 = 8 \text{ weeks}$ |
| 30 | 56. $\frac{3}{4} \times (1 - \frac{2}{3}) = 1/4$ |
| 3 | 57. $243 - 83 = 160$ |
| 30 | $160 \div 80 = 2$ |
| 16. 0.018 | $2 \times 37.50 = \$75.00$ |
| 17. 0.006 | 58. $400 \times 15\% = 400 \times 0.15 = 4 \times 15 = \60 |
| 18. 0.014 | 59. $(6\frac{1}{6} + 4\frac{1}{3}) \times 12 = 126 \text{ roses}$ |
| 19. 0.006 | 60. $2\frac{1}{2} \times 12 = 24 + 6 = 30 \text{ inches}$ |
| 20. 0.009 | 61. B |
| 21. 15 | A: $12.60 \div 30 = 0.42 \text{ per pound}$ |
| 22. 15 | B: $30.12 \div 80 = 0.38 \text{ per pound}$ |
| 23. 0 | 62. $\frac{6}{24} = \frac{1}{4} = 0.25 = 25\%$ |
| 24. 63 | 63. $96 \div 6 = 16 \text{ (miles per gallon)}$ |
| 25. 2 | $240 \div 16 = 15 \text{ gallons}$ |
| 26. 11 | 64. D |
| 27. 1 | |
| 28. 29 | |
| 29. 12 | |
| 30. 3 | |
| 31. $1/8$ | |

MAP 250 (T1) Issue 5

65. $11 + 22 + 33 = 66$
 $\frac{11+33}{66} = \frac{2}{3} = 2/3$
66. distance = $\frac{2}{3} \times 6 = 4$ miles
time for biking = $\frac{4}{8} = \frac{1}{2}$ hr = 30 min
67. $136 \div 16 = 8.5$ (lb)
68. 160000
69. $9 + 2 + 2 = 13$
70. A
Shoppers: $1.87 \div 6 = 0.31\dots$
Thrift Way: $2.90 \div 8 = 0.36\dots$
71. (7 to 9) $70 + 101 + 29 = 200$
(10 to 12) $84 + 73 + 118 = 275$
 $200:275 = 8:11$
72. $12 \div 3 = 4$
 $42.00 \times 4 = \$168$
73. $80 \times \frac{60}{12} = 80 \times 5 = 400$ mph
74. $60 \times 5\% = 60 \times 0.05 = 6 \times 5$
 $= \$3.00$
75. $60 + 3 = \$63.00$
or
 $1 + 5\% = 1.05$
 $60 \times 1.05 = \$63$