

Answer Key

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|---|---|---|--|
| 1. $\frac{5}{8}$
GCF = 2 | 20. $\frac{20}{28}$
<i>Hint:</i> $\frac{4}{7}$ | 57. 16 | 82. 16 |
| 2. $\frac{3}{5}$
GCF = 4 | 21. 0.5 | 58. 20 | 83. $4\frac{2}{15}$ |
| 3. $\frac{2}{7}$
GCF = 6 | 22. 0.25 | 59. 15 | 84. $\frac{9}{49}$ |
| 4. $\frac{3}{8}$
GCF = 6 | 23. 0.5 | 60. 21 | 85. $\left(\frac{10}{7}\right)\left(\frac{14}{5}\right) = 4$ |
| 5. $\frac{8}{9}$
GCF = 7 | 24. 0.75 | 61. $\frac{1}{2}$ | 86. $\left(\frac{16}{9}\right)\left(\frac{27}{8}\right) = 6$ |
| 6. $\frac{6}{7}$
GCF = 9 | 25. 0.125 | 62. $\frac{2}{5}$ | 87. $\left(\frac{15}{8}\right)\left(\frac{24}{5}\right) = 9$ |
| 7. $\frac{7}{8}$
GCF = 9 | 26. 0.25 | 63. $\frac{7}{9}$ | 88. $\left(\frac{10}{9}\right)\left(\frac{27}{5}\right) = 6$ |
| 8. $\frac{5}{4}$
GCF = 14 | 27. 0.375 | 64. $\frac{1}{14}$ | 89. $\left(\frac{8}{7}\right)\left(\frac{21}{2}\right) = 12$ |
| 9. $\frac{4}{7}$
GCF = 16 | 28. 0.5 | 65. $\frac{2}{21}$ | 90. 5 |
| 10. $\frac{10}{9}$
GCF = 20 | 29. 0.625 | 66. $\frac{15}{28}$ | 91. 0.08 |
| 11. $\frac{6}{8}$
<i>Hint:</i> $\frac{6}{7}$ | 30. 0.75 | 67. $\frac{4}{45}$ | 92. 125 |
| 12. $\frac{8}{32}$
<i>Hint:</i> $\frac{1}{8}$ | 31. 5 | 68. $\frac{25}{63}$ | 93. 125 |
| 13. $\frac{9}{21}$
<i>Hint:</i> $\frac{2}{7}$ | 32. 5 | 69. $\frac{27}{80}$ | 94. 0.15 |
| 14. $\frac{6}{4}$
<i>Hint:</i> $\frac{5}{4}$ | 33. 6 | 70. $\frac{1}{3}$ | 95. 25 |
| 15. $\frac{10}{18}$
<i>Hint:</i> $\frac{4}{9}$ | 34. 7 | 71. $\frac{2}{7} = \frac{4}{14} = \frac{10}{35}$ Ans =
14 (for a) & 10 (for b) | 96. 50 |
| 16. $\frac{12}{28}$
<i>Hint:</i> $\frac{2}{7}$ | 35. 7 | 72. $\frac{3}{3} = \frac{4}{4} = \frac{10}{10}$ Ans = 4
(for a) & 10 (for b) | 97. 0.7 |
| 17. $\frac{12}{18}$
<i>Hint:</i> $\frac{4}{5}$ | 36. 4 | 73. $\frac{7}{3} = \frac{14}{6} = \frac{63}{27}$ Ans =
14 (for a) & 27 (for b) | 98. 4 |
| 18. $\frac{24}{32}$
<i>Hint:</i> $\frac{5}{8}$ | 37. 8 | 74. $\frac{5}{3} = \frac{15}{9} = \frac{45}{27}$ Ans =
15 (for a) & 27 (for b) | 99. 0.024 |
| 19. $\frac{18}{14}$
<i>Hint:</i> $\frac{8}{7}$ | 38. 5 | 75. $\frac{6}{3} = \frac{4}{2} = \frac{28}{14}$ Ans = 3
(for a) & 2 (for b) | 100. 50 |
| | 39. 5 | 76. $\frac{2}{5} = \frac{4}{10} = \frac{40}{100}$ Ans = 2 (for a)
& 40 (for b) | 101. $12.5 \times \frac{2}{5} = 5$ ft |
| | 40. 5 | 77. $\frac{8}{10} = \frac{8}{10} = \frac{4}{5}$ Ans =
10 (for a) & 8 (for b) | 102. $69 \times \frac{1}{3} = \23 |
| | 41. $\frac{1}{105}$ | 78. $\frac{2}{3} = \frac{16}{24} = \frac{24}{36}$ Ans =
16 (for a) & 36 (for b) | 103. $1 - \frac{1}{3} = \frac{2}{3}$ (left over)
$\frac{2}{3} \times 30 = \20 |
| | 42. $\frac{23}{60}$ | 79. $\frac{20}{100} = \frac{1}{5} = \frac{10}{50}$ Ans = 20 (for a)
& 50 (for b) | 104. $400 + 240 \times 5 = \$1600$ |
| | 43. $\frac{31}{36}$ | 80. $2 = \frac{4}{2} = \frac{24}{12}$ Ans = 4
(for a) & 12 (for b) | 105. $100 + 8 \times 60 = \$580$ |
| | 44. $\frac{4}{135}$ | 81. 12 | 106. $120 \times \frac{1}{4} = 30$
$120 - 30 = 90$ pounds |
| | 45. $\frac{11}{30}$ | | 107. $82 + 3 \times 5 = 97$
pounds |
| | 46. $\frac{19}{72}$ | | 108. $\frac{1}{2} + 2\frac{3}{4} + \frac{1}{2} = 3\frac{3}{4}$
hours = 3 hours 45
minutes
$6:00 + 3:45 = \boxed{9:45}$
<u>pm</u> |
| | 47. $\frac{47}{144}$ | | 109. $2700 \div 4.5 = 600$ |
| | 48. $\frac{1}{84}$ | | 110. $18 \div 4 = 4R2$
Thus, each person get
<u>4 donuts</u> and 2 were
left. |
| | 49. $\frac{58}{105}$ | | 111. 2 |
| | 50. $\frac{71}{100}$ | | |
| | 51. 4 | | |
| | 52. 8 | | |
| | 53. 3 | | |
| | 54. 9 | | |
| | 55. 2 | | |
| | 56. 10 | | |

MAP 250+ (T1) Issue 1

112. $5.35 \times 600 = 535 \times 6 =$
 $\$3,210$

113. $18 \times 2 = 36$
 $50 - 36 = \$14$

114. Rent: $3 \times 7 \times 2 = 42 >$
 34.95
Buying one is
cheaper.

115. $240 \times 3 \times 50$
 $= 240 \times 50 \times 3$
 $= 12000 \times 3$
 $= 36000$

116. $5 \times 4 \times 15 \times 6 =$
 $5 \times 4 \times 15 \times 6 = 20 \times 90 =$
 1800

117. $50 \div 40 = 1.25$ (pages a
minute by Jenny)
 $80 \div 60 = 1.33$ (pages
a minute by Jimmy)
Jimmy is faster.

118. $345 \div 6 = 57.5$ (mile per
hour or mph)

119. $390 \div 6.5 = 60$ (mph)

120. The truck is faster.