

Answer Key

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| 1. 6724 | 43. 1.20 |
| 2. 6889 | 44. 5.6 |
| 3. 7056 | 45. 2.50 |
| 4. 7225 | 46. 9.25 |
| 5. 7396 | 47. 1 |
| 6. 7569 | 48. 6.25 |
| 7. 7744 | 49. 25 |
| 8. 7921 | 50. 36 |
| 9. 8100 | 51. 7 |
| 10. 8281 | 52. 8 |
| 11. -14 | 53. 9 |
| 12. -18 | 54. 10 |
| 13. -11 | 55. 11 |
| 14. -14 | 56. 12 |
| 15. -15 | 57. 13 |
| 16. 8 | 58. 15 |
| 17. 4 | 59. 16 |
| 18. -6 | 60. 20 |
| 19. -4 | 61. $8:35 - 0:50 = 7:45$ am |
| 20. 6 | 62. $\frac{39}{3} \times 0.5 = 13 \times 0.5 = \6.50 |
| 21. -27 | 63. 3:45 pm |
| 22. -2 | 64. 42 min & 16 sec |
| 23. 21 | 65. 18×20 min = 6 hr |
| 24. 27 | 66. 15 min + 55 min + 6 hr = 7 hr 10 min |
| 25. 6 | 67. 5:30 pm - 7:10 = 10:20 am |
| 26. 5 | 68. 54 min |
| 27. -3 | 69. 106 hours |
| 28. -2 | 70. 30 min = $\frac{1}{2}$ hr |
| 29. 6 | $\frac{1}{2} \times 30 = 15$ hr |
| 30. -4 | 71. 1 hour 59 min |
| 31. 3 | 72. $12 - 3 \times 2 = 6$ am |
| 32. 4 | 73. $0:30 + 0:45 + 1:00 = 2:15$ |
| 33. 4 | 2 hours 15 minutes = $2\frac{1}{4} = 2\frac{1}{4}$ hours |
| 34. 2 | 74. 11:35 pm |
| 35. 2 | 75. 4 hrs & 50 min |
| 36. 8 | 76. $20 - 15.65 + 2.25 = \$6.60$ |
| 37. 12 | 77. 10 (th of October) |
| 38. -1 | 78. $7 \div 0.5 = 14$ days |
| 39. 3 | 79. 15 weeks |
| 40. 2 | |
| 41. 3.25 | |
| 42. 3.75 | |

MAP 260 (T1) Issue 11

80. Randy-Sabrina
Matt-Rhonda
Sam-Carla
Chris-Megan
Ans = S (Carla) & C (Megan) & M (Rhonda) & R (Sabrina)
81. $-\frac{1}{8}$
82. $\sqrt{1\frac{2}{3} \times 3\frac{3}{4}} = \sqrt{\frac{5}{3} \times \frac{15}{4}} = \sqrt{\frac{25}{4}} = \frac{5}{2} = 2\frac{1}{2}$
83. -0.28
84. $\frac{2}{5}$
85. $0.75 \times 200 = 150$ (from students)
 $250 - 150 = 100$ (from adults)
 $100 \div 1.25 = 80$ (adult tickets) were sold.
86. $4 \times 10 \times 10 \times 5 = 2000$
87. A
 $32 \times 16 = 512$
 $512 - \frac{1}{4}(256\pi)$
 $= 512 - 64\pi$
88. $\frac{1}{2} = 1/2$
89. C
90. $24 \text{ min} = 0.4 \text{ hr}$
 $0.4 \times 5 = 2$
 $10 \times 5 = 50 \text{ pages}$
91. $\frac{2}{8} = \frac{1}{4} = 1/4$
92. $300 + 15 \times 80 = 1500$
93. B
 $500 + 10 \times 90 = 1400$
Plan A: $1500 - 1300 = 200$
Plan B: $1400 - 1300 = 100$
94. $12 \text{ min } 15 \text{ sec} = 12\frac{1}{4} \text{ min}$
 $8 \times 12\frac{1}{4} = 98 \text{ min} = 1 \text{ hr } \& 38 \text{ min}$
95. The total cost of the car:
 $9600 + 6900 = 16500$
 $16500 - 7500 = 9000$
 $9000 \div 3000 = \$3.00$
96. $15 + 20 = 35$
97. $80 \div 4 = 20$
 $60 \div 4 = 15$
 $20^2 - 15^2 = 400 - 225 = 175 \text{ sq. in}$
98. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4} = 1/4$
99. C
100. D