

# Answer Key

- |           |                                    |
|-----------|------------------------------------|
| 1. 29     | 43. 93                             |
| 2. 91     | 44. $A=7, B=4$                     |
| 3. 35     | 45. $A=4, B=4$                     |
| 4. 49     | 46. $A=0, B=2$                     |
| 5. 23     | 47. $A=7, B=2$                     |
| 6. 23     | 48. $A=8, B=5$                     |
| 7. 18     | 49. $A=9, B=3$                     |
| 8. 33     | 50. $A=9, B=5$                     |
| 9. 15     | 51. 2                              |
| 10. 32    | 52. 7                              |
| 11. 2.6   | 53. 8                              |
| 12. 5.4   | 54. 4                              |
| 13. 13.5  | 55. 5                              |
| 14. 6.2   | 56. 6                              |
| 15. 12.9  | 57. 7                              |
| 16. 11.5  | 58. 6                              |
| 17. 9.03  | 59. 8                              |
| 18. 9.6   | 60. 9                              |
| 19. 11.41 | 61. 40                             |
| 20. 17.61 | 62. 24                             |
| 21. 60    | 63. 50                             |
| 22. 50    | 64. 64                             |
| 23. 5     | 65. 31                             |
| 24. 30    | 66. 15                             |
| 25. 15    | 67. 199                            |
| 26. 60    | 68. 69                             |
| 27. 5     | 69. 139                            |
| 28. 30    | 70. 30                             |
| 29. 10    | 71. $12 - 7 = 5$                   |
| 30. 20    | 72. $12 + 6 = 18$                  |
| 31. 1     | 73. 20                             |
| 32. 1     | 74. $2 \times 15 = 30$             |
| 33. 1     | 75. 25                             |
| 34. $1/4$ | 76. $20 \div 10 = 2 \text{ times}$ |
| 35. $3/4$ | 77. $64 - 12 + 32 = 84$            |
| 36. $2/3$ | 78. $80 \div 10 = 8$               |
| 37. 1     | 79. $72 - 25 = 47$                 |
| 38. 1     | 80. $50 \div 5 = 10$               |
| 39. $1/3$ | 81. $10 + 12 + 14 = 36$            |
| 40. $1/6$ | 82. $20 \times 5 = 100$            |
| 41. 85    | 83. $4 \times 6 \times 2 = 48$     |
| 42. 28    | 84. $5 + (5 + 8) = 18$             |

## MAP 225 (T2) Issue 7

85.  $36 - 17 = 19$

86.  $56 \div 8 = 7$

87.  $3 \times 12 = 36$

88.  $27 \div 3 = 9$  cups

89. 11:15

90.  $30 \div 2 = 15$

91.  $24 \times 3 = 72$  min

92.  $24 \div 3 = 8$

93.  $27 + 35 = 62$

94.  $100 - 90 = 10$

95.  $5 \times 40 = 200$

96.  $2 \times 35 = 70$   
 $100 - 70 = 30$  cts

97.  $62 - 16 = 46$

98. 8 buffalo

99.  $35 - 6 = 29$

100.  $16 + 13 = 29$

101.  $15 + 17 = 32$

102.  $25 + 12 + 23 = 60$

103.  $3 + 2 + 4 = 9$

104.  $3 \times 15 = 45$

$2 \times 14 = 28$

$2 \times 12 = 24$

$45 + 28 + 24 = 97$  eggs

105.  $4 \times 4 = 16$

$16 + 1 = 17$

Ans = 4 boxes

106.  $4 \times 5 = 20$

$20 - 17 = 3$  cones left over

107.  $3 \times 2 + 1.5 + 3 \times 3$

$= 6 + 1.5 + 9$

$= \$16.50$

108.  $20 + 30 + 40 = 90$

109. C

110.  $3 \times 20 = 60$

# Answer Key

- |                   |   |
|-------------------|---|
| 1. 12.5           | 43. A=9, B=8  |
| 2. 5.7            | 44. 27  |
| 3. 13.4           | 45. 26  |
| 4. 12             | 46. 26  |
| 5. 11.3           | 47. A=1, B=2  |
| 6. 10.5           | 48. A=1, B=6  |
| 7. 13.41          | 49. A=5, B=5  |
| 8. 11.04          | 50. A=6, B=2  |
| 9. 13.2           | 51. 6   |
| 10. 14.35         | 52. 4   |
| 11. 17            | 53. 5   |
| 12. 13            | 54. 2   |
| 13. 20            | 55. 3   |
| 14. 19            | 56. 2   |
| 15. 5             | 57. 9   |
| 16. 13            | 58. 7   |
| 17. 7             | 59. 6   |
| 18. 13            | 60. 8   |
| 19. 28            | 61. 134   |
| 20. 13            | 62. 34  |
| 21. 80            | 63. 83  |
| 22. 70            | 64. 16  |
| 23. 31            | 65. 24  |
| 24. 50            | 66. 76  |
| 25. 80            | 67. 24  |
| 26. 30            | 68. 26  |
| 27. 18            | 69. 131   |
| 28. 27            | 70. 48  |
| 29. 390           | 71. $12 \div 4 = 3$   |
| 30. 9             | 72. $24 \div 3 = 8$ (lb)  |
| 31. $\frac{3}{8}$ | 73. $300 \div 50 = 6$   |
| 32. $\frac{1}{2}$ | 74. $18 \div 2 = 9$   |
| 33. $\frac{1}{2}$ | 75. $6 + 7 + 8 + 9$<br>$= 6 + 9 + 7 + 8$<br>$= 2 \times 15$<br>$= 30$<br>$40 - 30 = 10$ |
| 34. $\frac{1}{8}$ | 76. $5 \times 15 = 75\text{¢}$<br>$100 - 75 = \boxed{25\text{¢}}$                       |
| 35. $\frac{1}{2}$ | 77. $3 \times 12 = 36$  |
| 36. $\frac{2}{3}$ | 78. $3 \times 20 = 60$  |
| 37. 1             | 79. $4 \times 10 = 40$  |
| 38. 1             | 80. $83 - 27 = 56$  |
| 39. $\frac{2}{3}$ |   |
| 40. $\frac{1}{2}$ |   |
| 41. A=9, B=2      |   |
| 42. 88            |   |

# MAP 225 (T2) Issue 8

81.  $400 \times 5 = 2000$

82. 20

83.  $5 \times 6 = 30$

84.  $33 - 15 = 18$

85. 1 dime & 1 nickel & 2 pennies

86.  $\boxed{45} + 55 = 100$

87.  $25 - 7 = 18$

88.  $17 + 15 = \boxed{32}$

89.  $3 \times 4 = 12$  books

4 days: Tuesday, Thursday, Saturday and Sunday

90.  $6:45 + 1:25 = \boxed{8:10 \text{ pm}}$

91. D

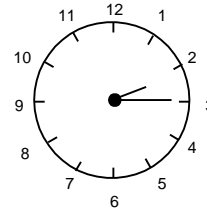
92.  $30 \times 8 = 240$

93.  $125 - 64 = 61$

94.  $130 \div 10 = 13$  dimes

95.  $28 - 9 = 19$

96.  $2:40 - 0:25 = 2:15$



97.  $45 + 15 = 60$

98.  $2 \times 13 = 26$

99.  $40 \times 7 = 280$

100.  $24 \times 60 = 1440$

101.  $243 - 219 = 24$

102.  $45 - 38 = 7$

103.  $42 - 5 = 37$

104.  $5 \times 2 = 10$

105.  $2900 + 1700 + 2700 = 7300$

106.  $4 \times 12 = 48$

107.  $4 \times 2 + 3 \times 3 = 17$

108.  $3 \times 2 = 6$

$6 \div 3 = 2$

109.  $350 \div 5 = 70$

110.  $5 \times 8 = 40$

# Answer Key

1. 11
2. 10.5
3. 14.4
4. 11.2
5. 17
6. 15.8
7. 12.82
8. 10.35
9. 12.75
10. 7.07
11. 21
12. 13
13. 16
14. 13
15. 23
16. 12
17. 7
18. 16
19. 14
20. 14
21. 2
22. 14
23. 120
24. 18
25. 240
26. 18
27. 2
28. 14
29. 120
30. 9
31.  $\frac{1}{8}$
32.  $\frac{1}{4}$
33.  $\frac{1}{8}$
34.  $\frac{1}{8}$
35.  $\frac{3}{8}$
36.  $\frac{1}{4}$
37.  $\frac{5}{8}$
38.  $\frac{1}{2}$
39.  $\frac{3}{8}$
40.  $\frac{1}{8}$
41. 90
42. 21
43.  $A=8, B=9$
44. 34
45.  $A=8, B=1$
46.  $A=3, B=1$
47.  $A=8, B=9$
48.  $A=7, B=4$
49.  $A=6, B=7$
50.  $A=5, B=1$
51. 7
52. 4
53. 5
54. 2
55. 3
56. 2
57. 9
58. 7
59. 6
60. 8
61. 143
62. 72
63. 184
64. 129
65. 25
66. 81
67. 199
68. 61
69. 48
70. 162
71.  $12 \div 3 = 4$
72.  $4 \times 10 = 40$
73.  $2(3 + 5) = 16$
74.  $2 \times 4 + 4 = 12$
75.  $5 \times 20 = 100$
76.  $3 \times 4 = 12$
77.  $5 \times 6 = 30$
78.  $45 \div 5 = 9$
79.  $36 + 15 = 51$
80.  $8:30 - 0:15 = 8:15$
81.  $5 \times 4 = 20$   
 $30 + 20 = \$50$
82.  $8 \times 7 = 56$
83. C
84.  $11 - 3 = 8$

## MAP 225 (T2) Issue 9

85.  $16 \div \frac{1}{2} = 32$
86.  $12 \times 6 = 72$
87.  $56 \div 7 = 8$
88.  $700 - 500 = 200$  (empty)  
 $500 - 200 = \underline{300}$
89.  $21 \div 3 = 7$   
 $21 - 7 = 14$   
 $14 \div 2 = 7$
90. 24 flea legs and 24 tick legs  
(a)  $24 \div 6 = \underline{4}$  (fleas)  
(b)  $24 \div 8 = \underline{3}$  (ticks)
91. A
92. D
93. 10:50 am
94.  $5 + 14 = 19$
95.  $30 \times 5 = 150\text{¢}$
96.  $5 \times 40 = 200$
97.  $4 + 3 + 7 = 14$
98.  $240 \times 2 = 480$
99. B
100. 56 animals
101.  $21 \div 3 = 7$
102. A
103. B
104. B
105. C
106.  $120 - 80 = 40$
107.  $120 \times 3 = 360$
108.  $75 + 37 = 112$
109.  $108 - 92 = 16$

# Answer Key

- |              |                                     |
|--------------|-------------------------------------|
| 1. 11        | 43. A=6, B=1                        |
| 2. 11.3      | 44. A=4, B=1                        |
| 3. 11.2      | 45. A=8, B=1                        |
| 4. 11.2      | 46. A=6, B=6                        |
| 5. 11.2      | 47. A=2, B=5                        |
| 6. 13        | 48. 15                              |
| 7. 13        | 49. A=5, B=8                        |
| 8. 13.3      | 50. A=1, B=4                        |
| 9. 15        | 51. 3                               |
| 10. 15.6     | 52. 6                               |
| 11. 13       | 53. 8                               |
| 12. 22       | 54. 7                               |
| 13. 10       | 55. 7                               |
| 14. 24       | 56. 6                               |
| 15. 22       | 57. 9                               |
| 16. 14       | 58. 3                               |
| 17. 2        | 59. 4                               |
| 18. 26       | 60. 5                               |
| 19. 28       | 61. 80                              |
| 20. 102      | 62. 27                              |
| 21. 30       | 63. 64                              |
| 22. 22       | 64. 72                              |
| 23. 23       | 65. 63                              |
| 24. 11       | 66. 20                              |
| 25. 96       | 67. 56                              |
| 26. 8        | 68. 72                              |
| 27. 6        | 69. 54                              |
| 28. 240      | 70. 112                             |
| 29. 360      | 71. $120 \times 10 = 1200$          |
| 30. 150      | 72. $500 \div 100 = 5$ weeks        |
| 31. $1/2$    | 73. $38 + 10 = 48$                  |
| 32. $3/4$    | 74. B                               |
| 33. $5/8$    | 75. 10                              |
| 34. $1/4$    | 76. $28 - 8 = 20$                   |
| 35. $3/4$    | 77. 3: Charleston, Seattle, Phoenix |
| 36. $2/3$    | 78. B                               |
| 37. 1        | 79. E                               |
| 38. 1        | 80. 60                              |
| 39. $1/3$    | 81. $60 - 35 = 25$                  |
| 40. $1/6$    | 82. $2 \times 90 = 180$             |
| 41. A=1, B=4 | 83. $200 \times 4 = 800$            |
| 42. 35       | 84. $3 \times 2 = 6$                |

# MAP 225 (T2) Issue 10

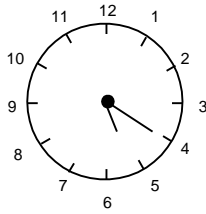
85.  $2 \div 4 = 0.5 = \boxed{30 \text{ sec}}$

86.  $7^\circ$  warmer

87.  $74 - 25 - 25 = 24$

$24 \div 3 = \boxed{8 \text{¢}}$

88.  $4:50 + 0:30 = 5:20$



89. B

90. D

91. 14

92. 4 bikes and 3 trikes

93. 45, 50, 60,

70, 80, 85, 95

94. 21, 26, 36, 41

95.  $14 - 7 - 4 = 3$

96. 1D + 1N + 3P

97. a) No

b) Nickles

c) Five

d) 60¢

e) 40¢

98. a) 8

b) 26

99. a) 6 nickels (& 4 dimes)

b) 70¢

100. a) 4 reds

b) 8 blues



# Answer Key

- |                |  |
|----------------|--|
| 1. 7.4         | 43. $A=3, B=1$   |
| 2. 6.2         | 44. $A=6, B=1$   |
| 3. 5.4         | 45. $A=4, B=7$   |
| 4. 12          | 46. $A=5, B=1$   |
| 5. 9.4         | 47. 37   |
| 6. 8.89        | 48. $A=5, B=5$   |
| 7. 8.3         | 49. 18   |
| 8. 16.14       | 50. $A=9, B=9$   |
| 9. 12.17       | 51. 2  |
| 10. 15.81      | 52. 8  |
| 11. 10         | 53. 4  |
| 12. 12         | 54. 5  |
| 13. 13         | 55. 9  |
| 14. 15         | 56. 7  |
| 15. 4          | 57. 8  |
| 16. 15         | 58. 12   |
| 17. 8          | 59. 7  |
| 18. 8          | 60. 30   |
| 19. 22         | 61. 38   |
| 20. 15         | 62. 70   |
| 21. 3          | 63. 133  |
| 22. 15         | 64. 126  |
| 23. 130        | 65. 40   |
| 24. 20         | 66. 83   |
| 25. 260        | 67. 138  |
| 26. 20         | 68. 103  |
| 27. 3          | 69. 117  |
| 28. 15         | 70. 87   |
| 29. 130        | 71. $125 + 45 = 170$                                     |
| 30. 10         | 72. $3 \times 4 + 5 \times 2$<br>$= 12 + 10$<br>$= 22$   |
| 31. $5/8$      | 73. $80 - 39 = 41$ (people) not in the picture.          |
| 32. $5/8$      | 74. $21 \div 3 = 7$                                      |
| 33. $3/4$      | 75. $3 \times 120 = 360$                                 |
| 34. $1/8$      | 76. $68 + 68 = 136\text{¢}$                              |
| 35. $7/8$      | 77. $9 \times 60 = 540$                                  |
| 36. 0          | 78. $72 \div 9 = 8$                                      |
| 37. $1/3$      | 79. $2 \times 2.25 = 4.50$<br>$5 - 4.5 = \boxed{\$0.50}$ |
| 38. 1          | 80. $4 \times (9 + 6 + 5) = 4 \times 20 = \$80$          |
| 39. $2/3$      | 81. $32 - 15 = 17$                                       |
| 40. $5/6$      | 82. $143 - 78 = 65$                                      |
| 41. 81         |  |
| 42. $A=6, B=4$ |  |

# MAP 225 (T2) Issue 11

83.  $35 + 18 = 53$

84.  $1000 + 1200 = 2200$   
 $3 \times 2200 = 6600$

85.  $74 - 16 = 58$

86.  $0.3 \times \boxed{10 \text{ (cups)}} = 3$

87.  $22 \div 2 = 11$   
 $11 - 8 = \boxed{3}$

88.  $25 + 50 = \boxed{75}$

89.  $29 - 14 = 15$

90.  $4 \times 2 = 8$   
 $10 - 8 = \boxed{2}$

91.  $5 \times 6 = 30$

92.  $5 \times 7 = 35$

93.  $8 \times 70 = 560$

94.  $61 - 15 = 46$

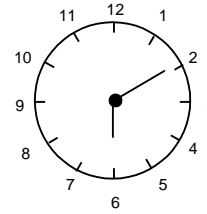
95. Method I)  
 $560 - 500 = 60$   
 $60 \div 5 = 12$   
 $12 - 1 = \boxed{11}$

Method II)

505, 510, 515, 520, 525, 530  
535, 540, 545, 550, 555

96.  $6 \times 50 = 300$

97. The time is  $5:25 + 0:45 = 6:10$ .



98. 7:50 AM

99.  $17 + 6 = 23$

100.  $91 - 66 = 25$

101.  $90 \div 10 = \boxed{9 \text{ days}}$

102. 100 years

103. 136 years

104.  $75 + 28 = 103$

105.  $7 + 5 + 11 = 23$

106.  $1 + 2 + 3 + 4 + 5 + 6 + 7 = \boxed{28 \text{ miles}}$

107. A

108. C

109.  $6:30 + 2:30 = 9:00 \text{ pm}$

110. 36 sq. ft

111. 72 cu. ft

# Answer Key

- |              |  |
|--------------|--|
| 1. 6.3       | 43. 21   |
| 2. 6         | 44. 21   |
| 3. 10.1      | 45. 22   |
| 4. 16.3      | 46. A=4, B=6   |
| 5. 6.2       | 47. A=6, B=9   |
| 6. 15.85     | 48. A=9, B=1   |
| 7. 2.28      | 49. A=1, B=5   |
| 8. 9.41      | 50. A=9, B=4   |
| 9. 12.83     | 51. 7  |
| 10. 4.03     | 52. 4  |
| 11. 5        | 53. 5  |
| 12. 9        | 54. 3  |
| 13. 12       | 55. 4  |
| 14. 32       | 56. 12   |
| 15. 6        | 57. 9  |
| 16. 7        | 58. 8  |
| 17. 16       | 59. 6  |
| 18. 5        | 60. 8  |
| 19. 5        | 61. 97   |
| 20. 11       | 62. 124  |
| 21. 9        | 63. 64   |
| 22. 12       | 64. 122  |
| 23. 130      | 65. 48   |
| 24. 12       | 66. 45   |
| 25. 63       | 67. 55   |
| 26. 8        | 68. 165  |
| 27. 4        | 69. 20   |
| 28. 39       | 70. 47   |
| 29. 93       | 71. $3 \times 7 = 21$                                    |
| 30. 120      | 72. $8 \times 2 = 16$                                    |
| 31. N/A      | 73. $3 \times 18 = 54$                                   |
| 32. N/A      | 74. $35 + 16 = 51$                                       |
| 33. N/A      | 75. 5 hours  |
| 34. N/A      | 76. $3:13 - 2:45 = 73 - 48 = \boxed{28 \text{ seconds}}$ |
| 35. N/A      | 77. $32 \div 2 = 16$                                     |
| 36. N/A      | $32 - 16 = \boxed{16}$                                   |
| 37. N/A      | 78. $20 - 15 = 5$  |
| 38. N/A      | 79. $62 + 35 = 97$                                       |
| 39. N/A      | 80. $2 \times 12 = 24$                                   |
| 40. N/A      | 81. $27 + 54 + 12 = 93$                                  |
| 41. A=8, B=4 | 82. $90 \div 3 = 30$                                     |
| 42. A=0, B=4 | 83. $750 \div 250 = 3$                                   |

## MAP 225 (T2) Issue 12

84. (a)  $4 \times 0.5 = \$2$   
(b)  $30 \times 0.5 = \$15$
85.  $23 + 5 + 23 = 51$
86.  $32 - 10 = 22$   
 $\frac{1}{2}(22) = \boxed{11}$
87.  $170 - 140 = 30$
88.  $15 \div 3 = \boxed{5 \text{ cameras}}$
89.  $4 + 1 = 5$   
 $5 \times 8 = 40$
90. 2 (quarters) & 2 (dimes)
91. 11:55 am
92. 40
93. (a)  $40 + 30 = 70\text{¢}$   
(b)  $20 - 30 = 10\text{¢}$
94. (a) A  
(b) D  
(c) 20 inches
95.  $17 - 8 = 9$
96.  $28 \div 6 = 4\text{R}4$   
 $4 + 1 = \boxed{5 \text{ boxes}}$
97.  $81 - 17 = 64$
98.  $4 + 3 + 2 + 1 = 10 \text{ blocks}$
99. 1Q + 3P  
Ans =  $\boxed{4 \text{ coins}}$
100. 83
101. 6 min
102. 50
103.  $12 \div 4 = \$3.00$
104. 36
105.  $10 - 4 + 2 = 8$
106.  $9 + 4 - 2 = 11$
107. 19
108. 19
109.  $1 + 2 = 3$   
 $3 \times 12 = \boxed{36 \text{ eggs}}$
110.  $600 \div 30 = \boxed{20 \text{ (pt)}}$