

# Answer Key

1. 30
2. 18
3. 8
4. 40
5. 5
6. 24 (for a) & 6 (for b)
7. 12 (for a) & 35 (for b)
8. 15 (for a) & 20 (for b)
9. 4 (for a) & 21 (for b)
10. 15 (for a) & 4 (for b)
11. 12
12. 288
13. 5
14. 60
15. 90
16. 73
17. 35
18. 77
19. 61
20. 56
21. 62
22. 31
23. 25
24. 63
25. 42
26. 312
27. 528
28. 693
29. 748
30. 816
31. 0.5
32. 0.25
33. 0.75
34. 0.125
35. 0.375
36. 6
37. 16
38. 12
39. 3
40. 2
41.  $22 + 19 = 41$
42.  $185 + 165 = 350$
43.  $21 - 4 = 17$
44.  $60 - 47 = 13$
45.  $23 \times 4 = 92$
46.  $3 \times 33 = 99$
47.  $120 \times 1.5 + 100 \times 0.50 = 180 + 50$   
 $= \underline{\$230}$
48.  $2 \times 4 + 4 \times 6 = 8 + 24$   
 $= \underline{32 \text{ ft}}$
49.  $57 + 3 \times 5 = 72 \text{ pounds}$
50.  $60 \div 20 = \$3$
51.  $450 \div 9 = \underline{50 \text{ dozen}}$
52.  $45 \times \frac{1}{5} = 9$   
 $45 + 9 = \underline{54 \text{ in}}$
53.  $\frac{1}{3} \times 4 \times 12 = 16$
54.  $24 - 4 \times 3 = 12$   
 $12 \div 4 = 3$   
 $3 \times 3 + 4 \times 4 = 25$   
 $25 - 24 = \underline{\$1.00}$
55.  $60 \div 4 = 15$
56.  $100 \div 2 = 50$   
 $50 - 20 = 30 \text{ in (length)}$
57. The area = width  $\times$  length =  $20 \times 30 = 600 \text{ in}^2$
58.  $20 \times 30 - 10 \times 14 = 600 - 140$   
 $= \underline{460 \text{ in}^2}$
59.  $2 \times (20 + 30) + 2(20 - 6) = 100 + 28$   
 $= \underline{128 \text{ in}}$
60.  $60 \div 12 = 5 \text{ (width)}$   
 $2 \times (12 + 5) = \underline{34 \text{ ft (perimeter)}}$
61.  $ab7$   
 $a = 3, 4, 5, 6, 7, 8, 9$   
 $b = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9$   
 $7 \times 10 = \underline{70}$
62. D
63.  $\boxed{3, 6, 9}, \boxed{12, 15, 18}, \boxed{21, 24, 27}$   
Ans = 24
64.  $A + B = 1 + 3 = \underline{4}$   

1	3	2
	2	A
	1	B
65.  $31 - 25 + 1 = 7$   
 $3 - 1 = 2$   
 $7 + 2 = \underline{9}$

# MAP 230 (T2) Issue 6

66. D will sell 5.  
 A will sell 3.  
 M will sell 8.  
 $101 - (5 + 3 + 8) = 85$  different figures.  
 $85 \div 5 = 17$   
 D = 34  
 M = 34  
 A = 17

67.  $16 + 1 = \underline{17}$   
 68.  $220 - 160 = 60$  (cushion width)  
 $220 - 3 \times 60 = 40$   
 $40 \div 2 = \underline{20 \text{ cm}}$  (arm rest width)

\$10	\$5
2	1
1	3
0	5

69.  $3 + 9 = \boxed{12}$   
 70.  $3 + 1 + 4 + 1 = \boxed{9}$

