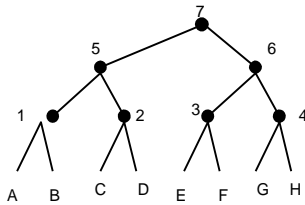


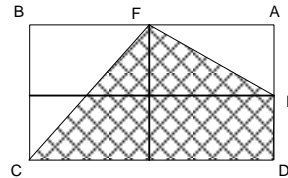
Answer Key

1. $\frac{4}{5} = 4/5$
2. 45
3. $1\frac{1}{12}$
4. $120 \div 7 = 17R1$
Ans = 17 & 1 (R)
5. 8
6. B
7. $\square = 7$
8. $\square = 8$
9. $\frac{3}{4} \times 12 = 9$ in
10. $4:45 + 50 = 5:35$
11. $500 \div 60 = 8 R 20$
Ans = 9 buses
12. $18 - 2 \times 3 = 12$
13. 36 inches
14. $5 \times 16 \times 7 = \span style="border: 1px solid black; padding: 2px;">560$
15. $9 \times 8 = \span style="border: 1px solid black; padding: 2px;">72$
16. $123 + (123 - 48) = 198$
17. $2 \times 16 + 5 \times 14 = 32 + 70 = 102$
 $102 \div 6 = \span style="border: 1px solid black; padding: 2px;">\17.00
18. $240 \div 3 = \$80$
19. $96 \div 8 = 12$
 $2(8 + 12) = \span style="border: 1px solid black; padding: 2px;">40$
20. 7 matches are needed



21. $3 \times 18 - 25 = \span style="border: 1px solid black; padding: 2px;">29$
22. $\frac{7}{24} = 7/24$
23. 2
24. 1 hr & 30 min
25. $\frac{9}{14} = 9/14$
26. 240000
27. 70
28. 240
29. $3200 \div 5\frac{1}{3} = \span style="border: 1px solid black; padding: 2px;">600 mph$

30. C
The area of the shaded region is 15 square inches, which
 $\frac{1}{2} + \frac{1}{8} = \frac{5}{8}$ of the area of ABCD.
So, the area(ABCD) = 24 square inches.



31. $11.50 - 2 \times 3.50 = 4.50$
 $4.50 \div 3 = \span style="border: 1px solid black; padding: 2px;">\1.50
 32. $20 \times 20 \times 2 - 10 \times 10$
 $= 800 - 100$
 $= \span style="border: 1px solid black; padding: 2px;">700 in²$
 33. $800 = 2 \times 400$
 $400 = 20 \times 20$
radius = 20
 $2 \times 20 = 40$ cm (diameter)
 34. $1\frac{3}{4} \times 4 \times 3 = 21$ hours
 35. $\frac{1}{4} \times 10 = 2.5$
 $2.5 + 2.25 = 4.75$
 $10 - 4.75 = \span style="border: 1px solid black; padding: 2px;">5.25$
 36. 5
 $114 \div 2 = 57$
 $285 \div 57 = \span style="border: 1px solid black; padding: 2px;">5$
 37. $5 - 4 = 1$
 $1 \div 4 = \frac{1}{4}$
 $60 \times \frac{1}{4} = \span style="border: 1px solid black; padding: 2px;">15$
 38. $300 - 60 = 240$
 $240 \div 5 = \span style="border: 1px solid black; padding: 2px;">\48.00
- | | | |
|---|----|----|
| 2 | 24 | 64 |
| 2 | 12 | 32 |
| 2 | 6 | 16 |
| | 3 | 8 |
39. $2 \times 2 \times 2 = \span style="border: 1px solid black; padding: 2px;">8$
 40. There are 4 girls and 3 boys. From Alan's eyes, there are 2 boys, so the girls are twice the number of the boys. From Betty's eyes, there 3 girls, so there are the same number of girls and boys. $3 + 4 = \span style="border: 1px solid black; padding: 2px;">7$
 41. $1\frac{2}{3}$
 42. 45 min
 43. $4:45 - 50 = 3:55$

MAP 260 (T1) Issue 3

44. 20
 45. $(15 - 14) + (13 - 12) + (11 - 10) + (9 - 8) + (7 - 6)$
 $= 5$
 46. 10
 47. 14
 48. 320
 49. 9
 50. $90 - 42 = 48^\circ$
 51. $100 \div 25 = 4$
 $20 \times 4 = 80$
 52. $4 \times 175 = 700$
 53. $\text{LCM}(8, 12) = 24$
 $24 \times 5 = 120$
 54. \$6.00
 55. 6 times

See the record below. "T" means target and B means bull's eye.

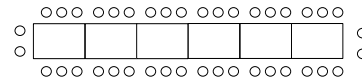
1	
2	
3	T
4	B
5	
6	T

7	
8	B
9	T
10	
11	
12	B

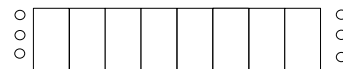
56. $126 \div 7 = 18$ (weeks)
 57. $2 \times 12 = 24$
 $\frac{1}{2} \times 12 = 6$
 $24 + 6 = 30$
 58. $8 \times 4 - 4 = 28$
 59. $22 + 17 = 39$
 $39 \div 3 = 13$
 60. \$13
 61. $2\frac{2}{3} \times 60 = 120 + 40 = 160$ min
 62. $0.85 \times 3000 = 2,550$
 63. 30
 64. $.14 \times .7 = .098$
 65. 15
 66. 20%
 67. $4\frac{1}{16} = 4 \frac{1}{16}$
 68. $44 \div 5 = 8R4$
 $8 + 1 = 9$ cars
 69. 30

70. Method I)
 $\frac{1}{2}(5 + 35) = 20$
 Method II)
 $35 - 5 = 30$
 $30 \div 2 = 15$
 $15 + 5 = 20$
 71. 1-round: $2 \times (13 + 23) = 72$ (ft) = 24 (yd)
 5-round: $5 \times 24 = 120$ (yd)
 72. $50 \div 5 = 10$ cm (diameter)
 circumference = $10\pi = 31.4$ (cm)
 five cir. = $5 \times 31.4 = 157$ (cm)
 73. $n = 1, 6 + 2 = 8$
 $n = 2, 8 + 2 = 10$
 $n = 3, 10 + 2 = 12$
 $n = 100, 6 + 200 = 206$

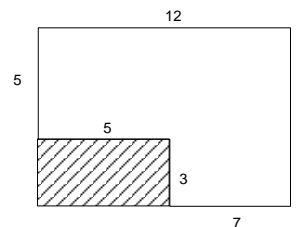
74. $85 + 92 + 96 = 273$
 $273 \div 3 = 91$
 75. $93 \times 4 = 372$
 $372 - 273 = 99$
 76. $2(2 + 3) = 10$ (people each table)
 $40 \div 10 = 4$ tables
 77. $40 - 4 = 36$
 $36 \div 6 = 6$ tables



78. $40 - 6 = 34$
 $34 \div 4 = 8 R 2$
 $8 + 1 = 9$ tables



79. $81 - 25 = 56$
 $56 \div 7 = 8$
 $(12 + 8) \times 2 = 40$ in



80. $50 \times 5\% = 50 \times .05 = \2.50