Answer Key

1. D
   <u>8</u>, 22, <u>8</u>, 28, <u>8</u>, …
   22 + 6 = 28
   28 + 6 = 34

2. A
   In this series, 5 is added to the previous number; the number 70 is inserted as every third number.

3. A
   7, 9, <u>66</u>, 12, 14, <u>66</u>, 17, 19, 66
   7+2 = 9
   7+5 = 12
   12+5 = 17
   17+2 =19

4. B
   13, <u>29</u>, 15, <u>26</u>, 17, <u>23</u>, 19, 20, 21

5. D
   This is a simple addition series; each number is 3 more than the previous number.

6. A
   <u>10</u>, 34, <u>12</u>, 31, <u>14</u>, 28, <u>16</u>, ____, ____
   28 − 3 = 25
   16 + 2 = 18

7. C
   This is an alternating subtraction series in which 2 is subtracted twice, then 3 is subtracted once, then 2 is subtracted twice, and so on.

8. D
   664, 332, <u>340, 170</u>, __, 89
   664÷2 = 332
   340÷2 = 170
   178÷2 = 89

9. D
   3, 4, 7, 8, 11, 12, 15
      +1 +3 +1 +3 +1 +3

10. E
    17, 17, <u>34</u>, 20, 20, <u>31</u>, 23, 23, 28

11. B
    ÷2

12. B
    14, 14, 26, 26, 38, 38, 50, 50, 62
       +0   + 12

13. A
    28, 25, <u>5</u>, 21, 18, <u>5</u>, 14, 11, 5

14. D
    -3, -0

15. A
    40, 40, 31, 31, 22, 22, 13, 13, 4, 4

16. A
    9, 11, <u>33</u>, 13, 15, <u>33</u>, 17, 19, 33

17. D
    2, <u>44</u>, 4, <u>41</u>, 6, <u>38</u>, 8, 35, 10

18. A
    Two series alternate here, with every third number following a different pattern. In the main series, 3 is added to each number to arrive at the next. In the alternating series, 5 is subtracted from each number to arrive at the next.

19. A
    80, <u>10</u>, 70, <u>15</u>, 60, …
    10, 15, 20

20. C
    16, 26, <u>56</u>, 36, 46, <u>68</u>, 56, 66, 80
    16+10 = 26
    56+12 = 68
    68+12 = 80

21. A
22. B
23. D
24. E
25. C
26. C
27. C
28. D
29. C
30. D
31. B
32. A
33. E
34. C
35. B
36. A
37. B
38. D
39. A
40. D
41. D
42. A
43. E
44. B

GT5

45. C
46. D
47. A
48. D
49. B
50. C
51. D
52. E
53. C
54. B
55. A
56. C
57. D
58. B
59. E
60. D
61. D
62. C
63. B
64. A
65. E
66. E
67. C
68. B
69. D
70. A
71. A
72. D
73. B
74. B
75. D
76. E

77. C
78. E
79. C
80. E
81. C
82. B
83. A
84. D
85. B
86. D
87. D
88. D
89. A
90. C
    A + B = C (horizontal)
    Dot stays, other common objects cancel out.
91. D
92. D
93. C
94. C
    In each row, the third figure is a collection of the common elements (line segments) of the first and the second figures.
95. B
96. D
97. C
98. D
99. A
    S
    The letters being juggled with are the initials of the numbers One, Two, Three, Four, Five, Six, Seven, Eight, Nine.
100. D

GT5