3.16 Number Series: 2-hour Pack

GL ASSESSMENT EP.V16 · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Each question shows a series of numbers with a question mark in place of the missing number. Study the numbers already given and work out the rule that links them together: the rule might be a constant amount added or subtracted, a constant multiplier or divisor, a difference that itself increases or decreases, two series woven together term by term, or a rule linking each number to the two numbers before it. Once you have worked out the rule, choose the option, A to E, that continues the series correctly. Only one option is correct in each question, and each wrong option is designed to match a common slip such as using the wrong difference, stopping the pattern too early, or muddling two interleaved series. Study the worked example below before you begin, then work through the questions in order: they start off easier and get harder as you go.

Worked example. 2, 4, 6, 8, 10, ? A) 11 B) 12 C) 13 D) 14 E) 16 **Answer: B) 12.** Each number in the series is 2 more than the number before it (add 2 each time): 2, 4, 6, 8, 10. So the next number after 10 is 10 + 2 = 12, which is option B. Option A (11) adds only 1; option C (13) adds 3; option D (14) adds 4; option E (16) adds 6, doubling the true difference.

1 Find the next number in this series.
42, 48, 54, 60, 66, 72, ?

- ☐ A) 144
- ☐ B) 79
- ☐ C) 77
- ☐ D) 81
- ☐ E) 78

---

2 Find the next number in this series.
25, 88, 27, 84, 29, 80, 31, 76, ?

- ☐ A) 32
- ☐ B) 152
- ☐ C) 121
- ☐ D) 33
- ☐ E) 34

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3 Find the next number in this series.
50, 52, 55, 59, 64, 70, 77, ?

- [ ] A) 86
- [ ] B) 85
- [ ] C) 77
- [ ] D) 84
- [ ] E) 58

---

4 Find the next number in this series.
56, 47, 38, 29, 20, ?

- [ ] A) 9
- [ ] B) 10
- [ ] C) 12
- [ ] D) 11
- [ ] E) 40

---

5 Find the next number in this series.
28, 42, 31, 38, 34, 34, 37, 30, ?

- [ ] A) 23
- [ ] B) 38
- [ ] C) 39
- [ ] D) 41
- [ ] E) 40

---

6 Find the next number in this series.
84, 80, 75, 69, 62, 54, ?

- [ ] A) 45
- [ ] B) 54
- [ ] C) 108
- [ ] D) 46
- [ ] E) 44

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7 Find the next number in this series.
26, 32, 39, 47, 56, 66, ?

- [ ] A) 76
- [ ] B) 66
- [ ] C) 77
- [ ] D) 75
- [ ] E) 78

---

8 Find the next number in this series.
59, 67, 75, 83, 91, 99, ?

- [ ] A) 107
- [ ] B) 198
- [ ] C) 106
- [ ] D) 108
- [ ] E) 99

---

9 Find the next number in this series.
47, 48, 50, 53, 57, 62, 68, ?

- [ ] A) 76
- [ ] B) 78
- [ ] C) 57
- [ ] D) 74
- [ ] E) 75

---

10 Find the next number in this series.
9, 64, 13, 60, 17, 56, 21, 52, ?

- [ ] A) 24
- [ ] B) 26
- [ ] C) 25
- [ ] D) 83
- [ ] E) 52

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11 Find the next number in this series.
57, 66, 75, 84, 93, ?

- [ ] A) 106
- [ ] B) 102
- [ ] C) 103
- [ ] D) 112
- [ ] E) 101

---

12 Find the next number in this series.
4, 16, 28, 40, 52, 64, ?

- [ ] A) 74
- [ ] B) 77
- [ ] C) 67
- [ ] D) 75
- [ ] E) 76

---

13 Find the next number in this series.
35, 38, 41, 44, 47, 50, ?

- [ ] A) 52
- [ ] B) 53
- [ ] C) 100
- [ ] D) 35
- [ ] E) 54

---

14 Find the next number in this series.
9, 85, 11, 90, 13, 95, 15, 100, ?

- [ ] A) 17
- [ ] B) 200
- [ ] C) 16
- [ ] D) 18
- [ ] E) 185

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15 Find the next number in this series.
53, 64, 75, 86, 97, 108, ?

- [ ] A) 118
- [ ] B) 117
- [ ] C) 911
- [ ] D) 120
- [ ] E) 119

---

16 Find the next number in this series.
47, 56, 65, 74, 83, ?

- [ ] A) 93
- [ ] B) 83
- [ ] C) 91
- [ ] D) 92
- [ ] E) 96

---

17 Find the next number in this series.
47, 51, 56, 62, 69, 77, ?

- [ ] A) 90
- [ ] B) 85
- [ ] C) 77
- [ ] D) 87
- [ ] E) 86

---

18 Find the next number in this series.
33, 37, 43, 51, 61, 73, ?

- [ ] A) 88
- [ ] B) 85
- [ ] C) 87
- [ ] D) 86
- [ ] E) 97

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19 Find the next number in this series.
12, 14, 16, 18, 20, ?

- ☐ A) 21
- ☐ B) 22
- ☐ C) 20
- ☐ D) 40
- ☐ E) 23

---

20 Find the next number in this series.
21, 25, 31, 39, 49, 61, ?

- ☐ A) 75
- ☐ B) 74
- ☐ C) 73
- ☐ D) 122
- ☐ E) 76

---

21 Find the next number in this series.
39, 40, 42, 45, 49, 54, ?

- ☐ A) 6
- ☐ B) 60
- ☐ C) 59
- ☐ D) 58
- ☐ E) 61

---

22 Find the next number in this series.
32, 41, 50, 59, 68, ?

- ☐ A) 76
- ☐ B) 68
- ☐ C) 78
- ☐ D) 75
- ☐ E) 77

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23 Find the next number in this series.
4, 6, 10, 18, 34, 66, ?

- [ ] A) 130
- [ ] B) 98
- [ ] C) 66
- [ ] D) 129
- [ ] E) 131

---

24 Find the next number in this series.
12, 83, 14, 89, 16, 95, 18, 101, ?

- [ ] A) 21
- [ ] B) 101
- [ ] C) 19
- [ ] D) 20
- [ ] E) 184

---

25 Find the next number in this series.
29, 34, 40, 47, 55, 64, 74, ?

- [ ] A) 84
- [ ] B) 74
- [ ] C) 85
- [ ] D) 86
- [ ] E) 58

---

26 Find the next number in this series.
54, 62, 70, 78, 86, 94, ?

- [ ] A) 94
- [ ] B) 102
- [ ] C) 103
- [ ] D) 101
- [ ] E) 106

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27 Find the next number in this series.
58, 52, 46, 40, 34, 28, ?

- [ ] A) 19
- [ ] B) 56
- [ ] C) 21
- [ ] D) 23
- [ ] E) 22

---

28 Find the next number in this series.
31, 27, 23, 19, 15, ?

- [ ] A) 9
- [ ] B) 12
- [ ] C) 30
- [ ] D) 11
- [ ] E) 10

---

29 Find the next number in this series.
27, 25, 23, 21, 19, ?

- [ ] A) 18
- [ ] B) 16
- [ ] C) 17
- [ ] D) 15
- [ ] E) 27

---

30 Find the next number in this series.
7, 19, 31, 43, 55, ?

- [ ] A) 68
- [ ] B) 110
- [ ] C) 67
- [ ] D) 66
- [ ] E) 55

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31 Find the next number in this series.
39, 42, 46, 51, 57, 64, ?

- [ ] A) 72
- [ ] B) 27
- [ ] C) 73
- [ ] D) 71
- [ ] E) 128

---

32 Find the next number in this series.
28, 53, 78, 103, 128, 153, ?

- [ ] A) 177
- [ ] B) 178
- [ ] C) 190
- [ ] D) 179
- [ ] E) 176

---

33 Find the next number in this series.
190, 185, 177, 166, 152, 135, ?

- [ ] A) 135
- [ ] B) 118
- [ ] C) 116
- [ ] D) 115
- [ ] E) 114

---

34 Find the next number in this series.
52, 47, 42, 37, 32, 27, ?

- [ ] A) 19
- [ ] B) 20
- [ ] C) 21
- [ ] D) 22
- [ ] E) 23

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35 Find the next number in this series.
5, 8, 11, 14, 17, 20, ?

- [ ] A) 32
- [ ] B) 20
- [ ] C) 23
- [ ] D) 24
- [ ] E) 22

---

36 Find the next number in this series.
25, 76, 30, 80, 35, 84, 40, 88, ?

- [ ] A) 44
- [ ] B) 45
- [ ] C) 54
- [ ] D) 46
- [ ] E) 136

---

37 Find the next number in this series.
22, 27, 36, 49, 66, 87, 112, ?

- [ ] A) 139
- [ ] B) 137
- [ ] C) 142
- [ ] D) 141
- [ ] E) 140

---

38 Find the next number in this series.
9, 18, 36, 72, 144, 288, ?

- [ ] A) 574
- [ ] B) 432
- [ ] C) 577
- [ ] D) 575
- [ ] E) 576

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39 Find the next number in this series.
7, 13, 21, 31, 43, 57, 73, ?

- [ ] A) 89
- [ ] B) 92
- [ ] C) 91
- [ ] D) 90
- [ ] E) 100

---

40 Find the next number in this series.
46, 53, 60, 67, 74, ?

- [ ] A) 148
- [ ] B) 80
- [ ] C) 79
- [ ] D) 82
- [ ] E) 81

---

41 Find the next number in this series.
139, 137, 133, 127, 119, 109, 97, ?

- [ ] A) 76
- [ ] B) 85
- [ ] C) 84
- [ ] D) 83
- [ ] E) 82

---

42 Find the next number in this series.
45, 57, 69, 81, 93, ?

- [ ] A) 106
- [ ] B) 104
- [ ] C) 186
- [ ] D) 501
- [ ] E) 105

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43 Find the next number in this series.
151, 150, 147, 142, 135, 126, 115, ?

- [ ] A) 104
- [ ] B) 102
- [ ] C) 101
- [ ] D) 103
- [ ] E) 230

---

44 Find the next number in this series.
40, 46, 55, 67, 82, 100, 121, ?

- [ ] A) 144
- [ ] B) 145
- [ ] C) 157
- [ ] D) 146
- [ ] E) 142

---

45 Find the next number in this series.
96, 90, 83, 75, 66, 56, 45, ?

- [ ] A) 33
- [ ] B) 31
- [ ] C) 34
- [ ] D) 43
- [ ] E) 32

---

46 Find the next number in this series.
11, 17, 23, 29, 35, ?

- [ ] A) 40
- [ ] B) 35
- [ ] C) 51
- [ ] D) 41
- [ ] E) 42

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47 Find the next number in this series.
39, 43, 51, 63, 79, 99, ?

- [ ] A) 122
- [ ] B) 124
- [ ] C) 123
- [ ] D) 121
- [ ] E) 119

---

48 Find the next number in this series.
31, 56, 81, 106, 131, 156, ?

- [ ] A) 312
- [ ] B) 180
- [ ] C) 193
- [ ] D) 182
- [ ] E) 181

---

49 Find the next number in this series.
56, 49, 42, 35, 28, ?

- [ ] A) 20
- [ ] B) 28
- [ ] C) 22
- [ ] D) 21
- [ ] E) 19

---

50 Find the next number in this series.
104, 103, 101, 98, 94, 89, 83, ?

- [ ] A) 67
- [ ] B) 76
- [ ] C) 75
- [ ] D) 166
- [ ] E) 77

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51 Find the next number in this series.
20, 22, 24, 26, 28, ?

- [ ] A) 30
- [ ] B) 31
- [ ] C) 56
- [ ] D) 40
- [ ] E) 29

---

52 Find the next number in this series.
24, 39, 54, 69, 84, 99, ?

- [ ] A) 114
- [ ] B) 124
- [ ] C) 115
- [ ] D) 113
- [ ] E) 112

---

53 Find the next number in this series.
1, 1, 1, 1, 1, 1, ?

- [ ] A) 11
- [ ] B) 4
- [ ] C) 1
- [ ] D) 3
- [ ] E) 2

---

54 Find the next number in this series.
12, 19, 28, 39, 52, 67, ?

- [ ] A) 84
- [ ] B) 85
- [ ] C) 83
- [ ] D) 82
- [ ] E) 92

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55 Find the next number in this series.
33, 58, 83, 108, 133, 158, ?

- [ ] A) 316
- [ ] B) 183
- [ ] C) 193
- [ ] D) 182
- [ ] E) 184

---

56 Find the next number in this series.
20, 76, 26, 80, 32, 84, 38, 88, ?

- [ ] A) 43
- [ ] B) 138
- [ ] C) 45
- [ ] D) 44
- [ ] E) 54

---

57 Find the next number in this series.
35, 40, 45, 50, 55, 60, ?

- [ ] A) 67
- [ ] B) 64
- [ ] C) 65
- [ ] D) 60
- [ ] E) 66

---

58 Find the next number in this series.
1, 8, 15, 22, 29, 36, ?

- [ ] A) 44
- [ ] B) 46
- [ ] C) 42
- [ ] D) 72
- [ ] E) 43

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59 Find the next number in this series.
168, 163, 156, 147, 136, 123, 108, ?

- [ ] A) 92
- [ ] B) 91
- [ ] C) 90
- [ ] D) 93
- [ ] E) 19

---

60 Find the next number in this series.
192, 186, 177, 165, 150, 132, ?

- [ ] A) 112
- [ ] B) 110
- [ ] C) 264
- [ ] D) 114
- [ ] E) 111

---

61 Find the next number in this series.
37, 32, 27, 22, 17, 12, ?

- [ ] A) 8
- [ ] B) 5
- [ ] C) 6
- [ ] D) 7
- [ ] E) 4

---

62 Find the next number in this series.
39, 33, 27, 21, 15, ?

- [ ] A) 10
- [ ] B) 15
- [ ] C) 7
- [ ] D) 9
- [ ] E) 8

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63 Find the next number in this series.
59, 61, 63, 65, 67, ?

- [ ] A) 96
- [ ] B) 69
- [ ] C) 68
- [ ] D) 70
- [ ] E) 67

---

64 Find the next number in this series.
16, 41, 66, 91, 116, ?

- [ ] A) 141
- [ ] B) 142
- [ ] C) 140
- [ ] D) 232
- [ ] E) 153

---

65 Find the next number in this series.
20, 25, 34, 47, 64, 85, ?

- [ ] A) 111
- [ ] B) 109
- [ ] C) 106
- [ ] D) 170
- [ ] E) 110

---

66 Find the next number in this series.
2, 27, 52, 77, 102, 127, ?

- [ ] A) 151
- [ ] B) 153
- [ ] C) 152
- [ ] D) 251
- [ ] E) 150

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67 Find the next number in this series.
25, 83, 29, 87, 33, 91, 37, 95, ?

- [ ] A) 153
- [ ] B) 41
- [ ] C) 40
- [ ] D) 95
- [ ] E) 42

---

68 Find the next number in this series.
45, 60, 75, 90, 105, 120, ?

- [ ] A) 531
- [ ] B) 145
- [ ] C) 134
- [ ] D) 136
- [ ] E) 135

---

69 Find the next number in this series.
57, 63, 69, 75, 81, ?

- [ ] A) 162
- [ ] B) 87
- [ ] C) 97
- [ ] D) 88
- [ ] E) 86

---

70 Find the next number in this series.
45, 41, 37, 33, 29, ?

- [ ] A) 25
- [ ] B) 35
- [ ] C) 26
- [ ] D) 24
- [ ] E) 29

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71 Find the next number in this series.
16, 74, 14, 77, 12, 80, 10, 83, ?

- [ ] A) 7
- [ ] B) 156
- [ ] C) 9
- [ ] D) 8
- [ ] E) 6

---

72 Find the next number in this series.
16, 19, 24, 31, 40, 51, ?

- [ ] A) 51
- [ ] B) 63
- [ ] C) 64
- [ ] D) 62
- [ ] E) 65

---

73 Find the next number in this series.
23, 25, 27, 29, 31, 33, ?

- [ ] A) 36
- [ ] B) 35
- [ ] C) 66
- [ ] D) 34
- [ ] E) 33

---

74 Find the next number in this series.
3, 8, 11, 19, 30, 49, 79, ?

- [ ] A) 129
- [ ] B) 127
- [ ] C) 821
- [ ] D) 109
- [ ] E) 128

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75 Find the next number in this series.
192, 191, 186, 177, 164, 147, ?

- [ ] A) 125
- [ ] B) 136
- [ ] C) 127
- [ ] D) 130
- [ ] E) 126

---

76 Find the next number in this series.
42, 57, 72, 87, 102, 117, ?

- [ ] A) 142
- [ ] B) 131
- [ ] C) 132
- [ ] D) 133
- [ ] E) 130

---

77 Find the next number in this series.
30, 52, 32, 47, 34, 42, 36, 37, ?

- [ ] A) 36
- [ ] B) 37
- [ ] C) 39
- [ ] D) 38
- [ ] E) 48

---

78 Find the next number in this series.
9, 20, 31, 42, 53, 64, ?

- [ ] A) 75
- [ ] B) 76
- [ ] C) 74
- [ ] D) 57
- [ ] E) 85

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79 Find the next number in this series.
49, 53, 61, 73, 89, 109, 133, ?

- [ ] A) 133
- [ ] B) 161
- [ ] C) 160
- [ ] D) 157
- [ ] E) 162

---

80 Find the next number in this series.
51, 49, 47, 45, 43, 41, ?

- [ ] A) 93
- [ ] B) 37
- [ ] C) 39
- [ ] D) 38
- [ ] E) 40

---

81 Find the next number in this series.
23, 52, 20, 47, 17, 42, 14, 37, ?

- [ ] A) 10
- [ ] B) 74
- [ ] C) 12
- [ ] D) 11
- [ ] E) 60

---

82 Find the next number in this series.
40, 49, 58, 67, 76, ?

- [ ] A) 85
- [ ] B) 86
- [ ] C) 58
- [ ] D) 95
- [ ] E) 84

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83 Find the next number in this series.
21, 46, 71, 96, 121, ?

- [ ] A) 146
- [ ] B) 158
- [ ] C) 147
- [ ] D) 145
- [ ] E) 156

---

84 Find the next number in this series.
10, 14, 18, 22, 26, ?

- [ ] A) 31
- [ ] B) 30
- [ ] C) 32
- [ ] D) 26
- [ ] E) 29

---

85 Find the next number in this series.
19, 54, 24, 57, 29, 60, 34, 63, ?

- [ ] A) 40
- [ ] B) 63
- [ ] C) 38
- [ ] D) 39
- [ ] E) 92

---

86 Find the next number in this series.
5, 3, 8, 11, 19, 30, 49, ?

- [ ] A) 68
- [ ] B) 79
- [ ] C) 94
- [ ] D) 78
- [ ] E) 80

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87 Find the next number in this series.
47, 40, 33, 26, 19, ?

- [ ] A) 11
- [ ] B) 13
- [ ] C) 12
- [ ] D) 21
- [ ] E) 19

---

88 Find the next number in this series.
48, 54, 60, 66, 72, ?

- [ ] A) 81
- [ ] B) 79
- [ ] C) 77
- [ ] D) 78
- [ ] E) 76

---

89 Find the next number in this series.
20, 22, 28, 38, 52, 70, 92, ?

- [ ] A) 118
- [ ] B) 92
- [ ] C) 117
- [ ] D) 119
- [ ] E) 114

---

90 Find the next number in this series.
58, 65, 72, 79, 86, 93, ?

- [ ] A) 1
- [ ] B) 100
- [ ] C) 99
- [ ] D) 101
- [ ] E) 93

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91 Find the next number in this series.
16, 20, 27, 37, 50, 66, 85, ?

- [ ] A) 106
- [ ] B) 105
- [ ] C) 104
- [ ] D) 108
- [ ] E) 107

---

92 Find the next number in this series.
52, 77, 102, 127, 152, 177, ?

- [ ] A) 354
- [ ] B) 202
- [ ] C) 201
- [ ] D) 203
- [ ] E) 200

---

93 Find the next number in this series.
40, 44, 50, 58, 68, 80, ?

- [ ] A) 80
- [ ] B) 93
- [ ] C) 95
- [ ] D) 94
- [ ] E) 92

---

94 Find the next number in this series.
41, 45, 53, 65, 81, 101, 125, ?

- [ ] A) 154
- [ ] B) 149
- [ ] C) 153
- [ ] D) 163
- [ ] E) 152

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95 Find the next number in this series.
130, 124, 117, 109, 100, 90, 79, ?

- ☐ A) 66
- ☐ B) 79
- ☐ C) 65
- ☐ D) 68
- ☐ E) 67

---

96 Find the next number in this series.
38, 42, 46, 50, 54, ?

- ☐ A) 68
- ☐ B) 59
- ☐ C) 57
- ☐ D) 60
- ☐ E) 58

---

97 Find the next number in this series.
30, 34, 39, 45, 52, 60, ?

- ☐ A) 120
- ☐ B) 69
- ☐ C) 60
- ☐ D) 68
- ☐ E) 70

---

98 Find the next number in this series.
25, 52, 31, 55, 37, 58, 43, 61, ?

- ☐ A) 61
- ☐ B) 50
- ☐ C) 49
- ☐ D) 79
- ☐ E) 48

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99 Find the next number in this series.
7, 22, 37, 52, 67, 82, ?

- [ ] A) 97
- [ ] B) 107
- [ ] C) 98
- [ ] D) 96
- [ ] E) 104

---

100 Find the next number in this series.
29, 31, 37, 47, 61, 79, 101, ?

- [ ] A) 202
- [ ] B) 128
- [ ] C) 126
- [ ] D) 127
- [ ] E) 123

---

101 Find the next number in this series.
14, 39, 64, 89, 114, 139, ?

- [ ] A) 139
- [ ] B) 163
- [ ] C) 164
- [ ] D) 165
- [ ] E) 176

---

102 Find the next number in this series.
258, 256, 250, 240, 226, 208, 186, ?

- [ ] A) 161
- [ ] B) 164
- [ ] C) 160
- [ ] D) 372
- [ ] E) 159

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103 Find the next number in this series.
5, 4, 9, 13, 22, 35, 57, ?

- [ ] A) 57
- [ ] B) 92
- [ ] C) 79
- [ ] D) 93
- [ ] E) 91

---

104 Find the next number in this series.
34, 38, 45, 55, 68, 84, ?

- [ ] A) 103
- [ ] B) 168
- [ ] C) 100
- [ ] D) 102
- [ ] E) 104

---

105 Find the next number in this series.
227, 226, 221, 212, 199, 182, 161, ?

- [ ] A) 137
- [ ] B) 136
- [ ] C) 135
- [ ] D) 140
- [ ] E) 146

---

106 Find the next number in this series.
211, 206, 197, 184, 167, 146, ?

- [ ] A) 119
- [ ] B) 122
- [ ] C) 125
- [ ] D) 120
- [ ] E) 121

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107 Find the next number in this series.
34, 38, 42, 46, 50, 54, ?

- [ ] A) 56
- [ ] B) 59
- [ ] C) 57
- [ ] D) 58
- [ ] E) 108

---

108 Find the next number in this series.
53, 61, 69, 77, 85, ?

- [ ] A) 93
- [ ] B) 94
- [ ] C) 92
- [ ] D) 39
- [ ] E) 85

---

109 Find the next number in this series.
44, 39, 34, 29, 24, ?

- [ ] A) 16
- [ ] B) 20
- [ ] C) 19
- [ ] D) 18
- [ ] E) 24

---

110 Find the next number in this series.
15, 20, 29, 42, 59, 80, 105, ?

- [ ] A) 130
- [ ] B) 134
- [ ] C) 144
- [ ] D) 135
- [ ] E) 133

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111 Find the next number in this series.
31, 35, 41, 49, 59, 71, ?

- [ ] A) 83
- [ ] B) 84
- [ ] C) 71
- [ ] D) 85
- [ ] E) 86

---

112 Find the next number in this series.
31, 35, 39, 43, 47, 51, ?

- [ ] A) 55
- [ ] B) 54
- [ ] C) 53
- [ ] D) 102
- [ ] E) 56

---

113 Find the next number in this series.
35, 37, 40, 44, 49, 55, ?

- [ ] A) 55
- [ ] B) 63
- [ ] C) 61
- [ ] D) 60
- [ ] E) 62

---

114 Find the next number in this series.
122, 117, 111, 104, 96, 87, ?

- [ ] A) 174
- [ ] B) 77
- [ ] C) 76
- [ ] D) 87
- [ ] E) 78

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115 Find the next number in this series.
43, 55, 67, 79, 91, ?

- ☐ A) 109
- ☐ B) 301
- ☐ C) 104
- ☐ D) 102
- ☐ E) 103

---

116 Find the next number in this series.
3, 85, 7, 87, 11, 89, 15, 91, ?

- ☐ A) 19
- ☐ B) 167
- ☐ C) 20
- ☐ D) 18
- ☐ E) 91

---

117 Find the next number in this series.
32, 33, 36, 41, 48, 57, ?

- ☐ A) 67
- ☐ B) 86
- ☐ C) 69
- ☐ D) 68
- ☐ E) 66

---

118 Find the next number in this series.
51, 43, 35, 27, 19, ?

- ☐ A) 7
- ☐ B) 12
- ☐ C) 10
- ☐ D) 11
- ☐ E) 38

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119 Find the next number in this series.

17, 83, 21, 80, 25, 77, 29, 74, ?

- [ ] A) 34
- [ ] B) 119
- [ ] C) 33
- [ ] D) 32
- [ ] E) 43

---

120 Find the next number in this series.

1, 5, 9, 13, 17, ?

- [ ] A) 19
- [ ] B) 20
- [ ] C) 21
- [ ] D) 22
- [ ] E) 25

---

121 Find the next number in this series.

57, 49, 41, 33, 25, ?

- [ ] A) 18
- [ ] B) 16
- [ ] C) 13
- [ ] D) 27
- [ ] E) 17

---

122 Find the next number in this series.

20, 26, 32, 38, 44, ?

- [ ] A) 49
- [ ] B) 51
- [ ] C) 53
- [ ] D) 60
- [ ] E) 50

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123 Find the next number in this series.
103, 100, 95, 88, 79, 68, ?

- [ ] A) 56
- [ ] B) 57
- [ ] C) 55
- [ ] D) 54
- [ ] E) 65

---

124 Find the next number in this series.
47, 39, 31, 23, 15, ?

- [ ] A) 5
- [ ] B) 3
- [ ] C) 6
- [ ] D) 7
- [ ] E) 8

---

125 Find the next number in this series.
193, 188, 181, 172, 161, 148, 133, ?

- [ ] A) 116
- [ ] B) 118
- [ ] C) 115
- [ ] D) 133
- [ ] E) 117

---

126 Find the next number in this series.
25, 29, 33, 37, 41, ?

- [ ] A) 82
- [ ] B) 45
- [ ] C) 43
- [ ] D) 46
- [ ] E) 44

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127 Find the next number in this series.

24, 28, 35, 45, 58, 74, ?

- [ ] A) 94
- [ ] B) 93
- [ ] C) 92
- [ ] D) 91
- [ ] E) 90

---

128 Find the next number in this series.

11, 14, 19, 26, 35, 46, ?

- [ ] A) 59
- [ ] B) 60
- [ ] C) 58
- [ ] D) 69
- [ ] E) 57

---

129 Find the next number in this series.

2, 3, 5, 8, 12, ?

- [ ] A) 13
- [ ] B) 15
- [ ] C) 16
- [ ] D) 17
- [ ] E) 18

---

130 Find the next number in this series.

60, 54, 48, 42, 36, ?

- [ ] A) 27
- [ ] B) 29
- [ ] C) 72
- [ ] D) 30
- [ ] E) 31

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131 Find the next number in this series.
23, 89, 21, 84, 19, 79, 17, 74, ?

- ☐ A) 15
- ☐ B) 14
- ☐ C) 131
- ☐ D) 16
- ☐ E) 13

---

132 Find the next number in this series.
26, 29, 34, 41, 50, 61, ?

- ☐ A) 75
- ☐ B) 47
- ☐ C) 72
- ☐ D) 74
- ☐ E) 73

---

133 Find the next number in this series.
46, 58, 70, 82, 94, 106, ?

- ☐ A) 119
- ☐ B) 118
- ☐ C) 117
- ☐ D) 116
- ☐ E) 106

---

134 Find the next number in this series.
16, 14, 12, 10, 8, ?

- ☐ A) 9
- ☐ B) 5
- ☐ C) 16
- ☐ D) 7
- ☐ E) 6

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135 Find the next number in this series.

32, 30, 28, 26, 24, 22, ?

- [ ] A) 21
- [ ] B) 19
- [ ] C) 18
- [ ] D) 20
- [ ] E) 22

---

136 Find the next number in this series.

15, 17, 19, 21, 23, ?

- [ ] A) 46
- [ ] B) 23
- [ ] C) 24
- [ ] D) 26
- [ ] E) 25

---

137 Find the next number in this series.

1, 4, 9, 16, 25, ?

- [ ] A) 30
- [ ] B) 32
- [ ] C) 35
- [ ] D) 36
- [ ] E) 49

---

138 Find the next number in this series.

4, 7, 11, 16, 22, 29, 37, ?

- [ ] A) 46
- [ ] B) 50
- [ ] C) 47
- [ ] D) 45
- [ ] E) 44

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139 Find the next number in this series.
2, 6, 10, 14, 18, 22, ?

- [ ] A) 25
- [ ] B) 26
- [ ] C) 44
- [ ] D) 27
- [ ] E) 22

---

140 Find the next number in this series.
6, 87, 9, 89, 12, 91, 15, 93, ?

- [ ] A) 81
- [ ] B) 19
- [ ] C) 171
- [ ] D) 18
- [ ] E) 17

---

141 Find the next number in this series.
2, 8, 14, 20, 26, ?

- [ ] A) 33
- [ ] B) 32
- [ ] C) 31
- [ ] D) 30
- [ ] E) 52

---

142 Find the next number in this series.
56, 71, 86, 101, 116, ?

- [ ] A) 130
- [ ] B) 132
- [ ] C) 116
- [ ] D) 232
- [ ] E) 131

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143 Find the next number in this series.
31, 29, 27, 25, 23, ?

- [ ] A) 21
- [ ] B) 20
- [ ] C) 46
- [ ] D) 22
- [ ] E) 23

---

144 Find the next number in this series.
27, 86, 33, 89, 39, 92, 45, 95, ?

- [ ] A) 49
- [ ] B) 51
- [ ] C) 52
- [ ] D) 145
- [ ] E) 50

---

145 Find the next number in this series.
23, 26, 33, 44, 59, 78, 101, ?

- [ ] A) 202
- [ ] B) 129
- [ ] C) 124
- [ ] D) 127
- [ ] E) 128

---

146 Find the next number in this series.
29, 40, 51, 62, 73, 84, ?

- [ ] A) 84
- [ ] B) 93
- [ ] C) 94
- [ ] D) 95
- [ ] E) 96

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147 Find the next number in this series.
184, 182, 176, 166, 152, 134, ?

- [ ] A) 134
- [ ] B) 116
- [ ] C) 112
- [ ] D) 113
- [ ] E) 111

---

148 Find the next number in this series.
23, 65, 26, 68, 29, 71, 32, 74, ?

- [ ] A) 36
- [ ] B) 53
- [ ] C) 34
- [ ] D) 116
- [ ] E) 35

---

149 Find the next number in this series.
11, 17, 25, 35, 47, 61, 77, ?

- [ ] A) 94
- [ ] B) 95
- [ ] C) 93
- [ ] D) 96
- [ ] E) 154

---

150 Find the next number in this series.
47, 55, 63, 71, 79, ?

- [ ] A) 97
- [ ] B) 88
- [ ] C) 91
- [ ] D) 87
- [ ] E) 86

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151 Find the next number in this series.
5, 11, 23, 47, 95, 191, ?

- [ ] A) 383
- [ ] B) 287
- [ ] C) 191
- [ ] D) 384
- [ ] E) 382

---

152 Find the next number in this series.
181, 178, 172, 163, 151, 136, ?

- [ ] A) 121
- [ ] B) 117
- [ ] C) 118
- [ ] D) 109
- [ ] E) 119

---

153 Find the next number in this series.
23, 24, 29, 38, 51, 68, ?

- [ ] A) 85
- [ ] B) 90
- [ ] C) 89
- [ ] D) 88
- [ ] E) 99

---

154 Find the next number in this series.
4, 11, 32, 95, 284, 851, ?

- [ ] A) 2552
- [ ] B) 2551
- [ ] C) 1418
- [ ] D) 2553
- [ ] E) 851

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Mark scheme · 3.16 Number Series: 2-hour Pack

Question 1

E) 78 - each term increases by 6: 42, 48, 54, 60, 66, 72, 78 **B1**

Answer: E) 78

Question 2

D) 33 - two series are woven together: the odd terms change by +2 and the even terms change by -4: 25, 88, 27, 84, 29, 80, 31, 76, 33 **B1**

Answer: D) 33

Question 3

B) 85 - the amount added changes by 1 each time (2, 3, 4, 5, 6, 7, 8): 50, 52, 55, 59, 64, 70, 77, 85 **B1**

Answer: B) 85

Question 4

D) 11 - each term decreases by 9: 56, 47, 38, 29, 20, 11 **B1**

Answer: D) 11

Question 5

E) 40 - two series are woven together: the odd terms change by +3 and the even terms change by -4: 28, 42, 31, 38, 34, 34, 37, 30, 40 **B1**

Answer: E) 40

Question 6

A) 45 - the amount subtracted changes by 1 each time (4, 5, 6, 7, 8, 9): 84, 80, 75, 69, 62, 54, 45 **B1**

Answer: A) 45

Question 7

C) 77 - the amount added changes by 1 each time (6, 7, 8, 9, 10, 11): 26, 32, 39, 47, 56, 66, 77 **B1**

Answer: C) 77

Question 8

A) 107 - each term increases by 8: 59, 67, 75, 83, 91, 99, 107 **B1**

Answer: A) 107

Question 9

E) 75 - the amount added changes by 1 each time (1, 2, 3, 4, 5, 6, 7): 47, 48, 50, 53, 57, 62, 68, 75 **B1**

Answer: E) 75

Question 10

C) 25 - two series are woven together: the odd terms change by +4 and the even terms change by -4: 9, 64, 13, 60, 17, 56, 21, 52, 25 **B1**

Answer: C) 25

Question 11

B) 102 - each term increases by 9: 57, 66, 75, 84, 93, 102 **B1**

Answer: B) 102

Question 12

E) 76 - each term increases by 12: 4, 16, 28, 40, 52, 64, 76 **B1**

Answer: E) 76

Question 13

B) 53 - each term increases by 3: 35, 38, 41, 44, 47, 50, 53 **B1**

Answer: B) 53

Question 14

A) 17 - two series are woven together: the odd terms change by +2 and the even terms change by +5: 9, 85, 11, 90, 13, 95, 15, 100, 17 **B1**

Answer: A) 17

Question 15

E) 119 - each term increases by 11: 53, 64, 75, 86, 97, 108, 119 **B1**

Answer: E) 119

Question 16

D) 92 - each term increases by 9: 47, 56, 65, 74, 83, 92 **B1**

Answer: D) 92

Question 17

E) 86 - the amount added changes by 1 each time (4, 5, 6, 7, 8, 9): 47, 51, 56, 62, 69, 77, 86 **B1**

Answer: E) 86

Question 18

C) 87 - the amount added changes by 2 each time (4, 6, 8, 10, 12, 14): 33, 37, 43, 51, 61, 73, 87 **B1**

Answer: C) 87

Question 19

B) 22 - each term increases by 2: 12, 14, 16, 18, 20, 22 **B1**

Answer: B) 22

Question 20

A) 75 - the amount added changes by 2 each time (4, 6, 8, 10, 12, 14): 21, 25, 31, 39, 49, 61, 75 **B1**

Answer: A) 75

Question 21

B) 60 - the amount added changes by 1 each time (1, 2, 3, 4, 5, 6): 39, 40, 42, 45, 49, 54, 60 **B1**

Answer: B) 60

Question 22

E) 77 - each term increases by 9: 32, 41, 50, 59, 68, 77 **B1**

Answer: E) 77

Question 23

A) 130 - each term is the previous term multiplied by 2 then -2: 4, 6, 10, 18, 34, 66, 130 **B1**

Answer: A) 130

Question 24

D) 20 - two series are woven together: the odd terms change by +2 and the even terms change by +6: 12, 83, 14, 89, 16, 95, 18, 101, 20 **B1**

Answer: D) 20

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Question 25

C) 85 - the amount added changes by 1 each time (5, 6, 7, 8, 9, 10, 11): 29, 34, 40, 47, 55, 64, 74, 85 **B1**

Answer: C) 85

Question 26

B) 102 - each term increases by 8: 54, 62, 70, 78, 86, 94, 102 **B1**

Answer: B) 102

Question 27

E) 22 - each term decreases by 6: 58, 52, 46, 40, 34, 28, 22 **B1**

Answer: E) 22

Question 28

D) 11 - each term decreases by 4: 31, 27, 23, 19, 15, 11 **B1**

Answer: D) 11

Question 29

C) 17 - each term decreases by 2: 27, 25, 23, 21, 19, 17 **B1**

Answer: C) 17

Question 30

C) 67 - each term increases by 12: 7, 19, 31, 43, 55, 67 **B1**

Answer: C) 67

Question 31

A) 72 - the amount added changes by 1 each time (3, 4, 5, 6, 7, 8): 39, 42, 46, 51, 57, 64, 72 **B1**

Answer: A) 72

Question 32

B) 178 - each term increases by 25: 28, 53, 78, 103, 128, 153, 178 **B1**

Answer: B) 178

Question 33

D) 115 - the amount subtracted changes by 3 each time (5, 8, 11, 14, 17, 20): 190, 185, 177, 166, 152, 135, 115 **B1**

Answer: D) 115

Question 34

D) 22 - each term decreases by 5: 52, 47, 42, 37, 32, 27, 22 **B1**

Answer: D) 22

Question 35

C) 23 - each term increases by 3: 5, 8, 11, 14, 17, 20, 23 **B1**

Answer: C) 23

Question 36

B) 45 - two series are woven together: the odd terms change by +5 and the even terms change by +4: 25, 76, 30, 80, 35, 84, 40, 88, 45 **B1**

Answer: B) 45

Question 37

D) 141 - the amount added changes by 4 each time (5, 9, 13, 17, 21, 25, 29): 22, 27, 36, 49, 66, 87, 112, 141 **B1**

Answer: D) 141

Question 38

E) 576 - each term is multiplied by 2: 9, 18, 36, 72, 144, 288, 576 **B1**

Answer: E) 576

Question 39

C) 91 - the amount added changes by 2 each time (6, 8, 10, 12, 14, 16, 18): 7, 13, 21, 31, 43, 57, 73, 91 **B1**

Answer: C) 91

Question 40

E) 81 - each term increases by 7: 46, 53, 60, 67, 74, 81 **B1**

Answer: E) 81

Question 41

D) 83 - the amount subtracted changes by 2 each time (2, 4, 6, 8, 10, 12, 14): 139, 137, 133, 127, 119, 109, 97, 83 **B1**

Answer: D) 83

Question 42

E) 105 - each term increases by 12: 45, 57, 69, 81, 93, 105 **B1**

Answer: E) 105

Question 43

B) 102 - the amount subtracted changes by 2 each time (1, 3, 5, 7, 9, 11, 13): 151, 150, 147, 142, 135, 126, 115, 102 **B1**

Answer: B) 102

Question 44

B) 145 - the amount added changes by 3 each time (6, 9, 12, 15, 18, 21, 24): 40, 46, 55, 67, 82, 100, 121, 145 **B1**

Answer: B) 145

Question 45

A) 33 - the amount subtracted changes by 1 each time (6, 7, 8, 9, 10, 11, 12): 96, 90, 83, 75, 66, 56, 45, 33 **B1**

Answer: A) 33

Question 46

D) 41 - each term increases by 6: 11, 17, 23, 29, 35, 41 **B1**

Answer: D) 41

Question 47

C) 123 - the amount added changes by 4 each time (4, 8, 12, 16, 20, 24): 39, 43, 51, 63, 79, 99, 123 **B1**

Answer: C) 123

Question 48

E) 181 - each term increases by 25: 31, 56, 81, 106, 131, 156, 181 **B1**

Answer: E) 181

Question 49

D) 21 - each term decreases by 7: 56, 49, 42, 35, 28, 21 **B1**

Answer: D) 21

Question 50

B) 76 - the amount subtracted changes by 1 each time (1, 2, 3, 4, 5, 6, 7): 104, 103, 101, 98, 94, 89, 83, 76 **B1**

Answer: B) 76

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Question 51

A) 30 - each term increases by 2: 20, 22, 24, 26, 28, 30 **B1**

Answer: A) 30

Question 52

A) 114 - each term increases by 15: 24, 39, 54, 69, 84, 99, 114 **B1**

Answer: A) 114

Question 53

C) 1 - each term is the previous term multiplied by 3 then -2: 1, 1, 1, 1, 1, 1, 1 **B1**

Answer: C) 1

Question 54

A) 84 - the terms are square numbers +3: 12, 19, 28, 39, 52, 67, 84 **B1**

Answer: A) 84

Question 55

B) 183 - each term increases by 25: 33, 58, 83, 108, 133, 158, 183 **B1**

Answer: B) 183

Question 56

D) 44 - two series are woven together: the odd terms change by +6 and the even terms change by +4: 20, 76, 26, 80, 32, 84, 38, 88, 44 **B1**

Answer: D) 44

Question 57

C) 65 - each term increases by 5: 35, 40, 45, 50, 55, 60, 65 **B1**

Answer: C) 65

Question 58

E) 43 - each term increases by 7: 1, 8, 15, 22, 29, 36, 43 **B1**

Answer: E) 43

Question 59

B) 91 - the amount subtracted changes by 2 each time (5, 7, 9, 11, 13, 15, 17): 168, 163, 156, 147, 136, 123, 108, 91 **B1**

Answer: B) 91

Question 60

E) 111 - the amount subtracted changes by 3 each time (6, 9, 12, 15, 18, 21): 192, 186, 177, 165, 150, 132, 111 **B1**

Answer: E) 111

Question 61

D) 7 - each term decreases by 5: 37, 32, 27, 22, 17, 12, 7 **B1**

Answer: D) 7

Question 62

D) 9 - each term decreases by 6: 39, 33, 27, 21, 15, 9 **B1**

Answer: D) 9

Question 63

B) 69 - each term increases by 2: 59, 61, 63, 65, 67, 69 **B1**

Answer: B) 69

Question 64

A) 141 - each term increases by 25: 16, 41, 66, 91, 116, 141 **B1**

Answer: A) 141

Question 65

E) 110 - the amount added changes by 4 each time (5, 9, 13, 17, 21, 25): 20, 25, 34, 47, 64, 85, 110 **B1**

Answer: E) 110

Question 66

C) 152 - each term increases by 25: 2, 27, 52, 77, 102, 127, 152 **B1**

Answer: C) 152

Question 67

B) 41 - two series are woven together: the odd terms change by +4 and the even terms change by +4: 25, 83, 29, 87, 33, 91, 37, 95, 41 **B1**

Answer: B) 41

Question 68

E) 135 - each term increases by 15: 45, 60, 75, 90, 105, 120, 135 **B1**

Answer: E) 135

Question 69

B) 87 - each term increases by 6: 57, 63, 69, 75, 81, 87 **B1**

Answer: B) 87

Question 70

A) 25 - each term decreases by 4: 45, 41, 37, 33, 29, 25 **B1**

Answer: A) 25

Question 71

D) 8 - two series are woven together: the odd terms change by -2 and the even terms change by +3: 16, 74, 14, 77, 12, 80, 10, 83, 8 **B1**

Answer: D) 8

Question 72

C) 64 - the amount added changes by 2 each time (3, 5, 7, 9, 11, 13): 16, 19, 24, 31, 40, 51, 64 **B1**

Answer: C) 64

Question 73

B) 35 - each term increases by 2: 23, 25, 27, 29, 31, 33, 35 **B1**

Answer: B) 35

Question 74

E) 128 - each term is the sum of the two terms before it: 3, 8, 11, 19, 30, 49, 79, 128 **B1**

Answer: E) 128

Question 75

E) 126 - the amount subtracted changes by 4 each time (1, 5, 9, 13, 17, 21): 192, 191, 186, 177, 164, 147, 126 **B1**

Answer: E) 126

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Question 76

C) 132 - each term increases by 15: 42, 57, 72, 87, 102, 117, 132 **B1**

Answer: C) 132

Question 77

D) 38 - two series are woven together: the odd terms change by +2 and the even terms change by -5: 30, 52, 32, 47, 34, 42, 36, 37, 38 **B1**

Answer: D) 38

Question 78

A) 75 - each term increases by 11: 9, 20, 31, 42, 53, 64, 75 **B1**

Answer: A) 75

Question 79

B) 161 - the amount added changes by 4 each time (4, 8, 12, 16, 20, 24, 28): 49, 53, 61, 73, 89, 109, 133, 161 **B1**

Answer: B) 161

Question 80

C) 39 - each term decreases by 2: 51, 49, 47, 45, 43, 41, 39 **B1**

Answer: C) 39

Question 81

D) 11 - two series are woven together: the odd terms change by -3 and the even terms change by -5: 23, 52, 20, 47, 17, 42, 14, 37, 11 **B1**

Answer: D) 11

Question 82

A) 85 - each term increases by 9: 40, 49, 58, 67, 76, 85 **B1**

Answer: A) 85

Question 83

A) 146 - each term increases by 25: 21, 46, 71, 96, 121, 146 **B1**

Answer: A) 146

Question 84

B) 30 - each term increases by 4: 10, 14, 18, 22, 26, 30 **B1**

Answer: B) 30

Question 85

D) 39 - two series are woven together: the odd terms change by +5 and the even terms change by +3: 19, 54, 24, 57, 29, 60, 34, 63, 39 **B1**

Answer: D) 39

Question 86

B) 79 - each term is the sum of the two terms before it: 5, 3, 8, 11, 19, 30, 49, 79 **B1**

Answer: B) 79

Question 87

C) 12 - each term decreases by 7: 47, 40, 33, 26, 19, 12 **B1**

Answer: C) 12

Question 88

D) 78 - each term increases by 6: 48, 54, 60, 66, 72, 78 **B1**

Answer: D) 78

Question 89

A) 118 - the amount added changes by 4 each time (2, 6, 10, 14, 18, 22, 26): 20, 22, 28, 38, 52, 70, 92, 118 **B1**

Answer: A) 118

Question 90

B) 100 - each term increases by 7: 58, 65, 72, 79, 86, 93, 100 **B1**

Answer: B) 100

Question 91

E) 107 - the amount added changes by 3 each time (4, 7, 10, 13, 16, 19, 22): 16, 20, 27, 37, 50, 66, 85, 107 **B1**

Answer: E) 107

Question 92

B) 202 - each term increases by 25: 52, 77, 102, 127, 152, 177, 202 **B1**

Answer: B) 202

Question 93

D) 94 - the amount added changes by 2 each time (4, 6, 8, 10, 12, 14): 40, 44, 50, 58, 68, 80, 94 **B1**

Answer: D) 94

Question 94

C) 153 - the amount added changes by 4 each time (4, 8, 12, 16, 20, 24, 28): 41, 45, 53, 65, 81, 101, 125, 153 **B1**

Answer: C) 153

Question 95

E) 67 - the amount subtracted changes by 1 each time (6, 7, 8, 9, 10, 11, 12): 130, 124, 117, 109, 100, 90, 79, 67 **B1**

Answer: E) 67

Question 96

E) 58 - each term increases by 4: 38, 42, 46, 50, 54, 58 **B1**

Answer: E) 58

Question 97

B) 69 - the amount added changes by 1 each time (4, 5, 6, 7, 8, 9): 30, 34, 39, 45, 52, 60, 69 **B1**

Answer: B) 69

Question 98

C) 49 - two series are woven together: the odd terms change by +6 and the even terms change by +3: 25, 52, 31, 55, 37, 58, 43, 61, 49 **B1**

Answer: C) 49

Question 99

A) 97 - each term increases by 15: 7, 22, 37, 52, 67, 82, 97 **B1**

Answer: A) 97

Question 100

D) 127 - the amount added changes by 4 each time (2, 6, 10, 14, 18, 22, 26): 29, 31, 37, 47, 61, 79, 101, 127 **B1**

Answer: D) 127

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Question 101

C) 164 - each term increases by 25: 14, 39, 64, 89, 114, 139, 164 **B1**

Answer: C) 164

Question 102

C) 160 - the amount subtracted changes by 4 each time (2, 6, 10, 14, 18, 22, 26): 258, 256, 250, 240, 226, 208, 186, 160 **B1**

Answer: C) 160

Question 103

B) 92 - each term is the sum of the two terms before it: 5, 4, 9, 13, 22, 35, 57, 92 **B1**

Answer: B) 92

Question 104

A) 103 - the amount added changes by 3 each time (4, 7, 10, 13, 16, 19): 34, 38, 45, 55, 68, 84, 103 **B1**

Answer: A) 103

Question 105

B) 136 - the amount subtracted changes by 4 each time (1, 5, 9, 13, 17, 21, 25): 227, 226, 221, 212, 199, 182, 161, 136 **B1**

Answer: B) 136

Question 106

E) 121 - the amount subtracted changes by 4 each time (5, 9, 13, 17, 21, 25): 211, 206, 197, 184, 167, 146, 121 **B1**

Answer: E) 121

Question 107

D) 58 - each term increases by 4: 34, 38, 42, 46, 50, 54, 58 **B1**

Answer: D) 58

Question 108

A) 93 - each term increases by 8: 53, 61, 69, 77, 85, 93 **B1**

Answer: A) 93

Question 109

C) 19 - each term decreases by 5: 44, 39, 34, 29, 24, 19 **B1**

Answer: C) 19

Question 110

B) 134 - the amount added changes by 4 each time (5, 9, 13, 17, 21, 25, 29): 15, 20, 29, 42, 59, 80, 105, 134 **B1**

Answer: B) 134

Question 111

D) 85 - the amount added changes by 2 each time (4, 6, 8, 10, 12, 14): 31, 35, 41, 49, 59, 71, 85 **B1**

Answer: D) 85

Question 112

A) 55 - each term increases by 4: 31, 35, 39, 43, 47, 51, 55 **B1**

Answer: A) 55

Question 113

E) 62 - the amount added changes by 1 each time (2, 3, 4, 5, 6, 7): 35, 37, 40, 44, 49, 55, 62 **B1**

Answer: E) 62

Question 114

B) 77 - the amount subtracted changes by 1 each time (5, 6, 7, 8, 9, 10): 122, 117, 111, 104, 96, 87, 77 **B1**

Answer: B) 77

Question 115

E) 103 - each term increases by 12: 43, 55, 67, 79, 91, 103 **B1**

Answer: E) 103

Question 116

A) 19 - two series are woven together: the odd terms change by +4 and the even terms change by +2: 3, 85, 7, 87, 11, 89, 15, 91, 19 **B1**

Answer: A) 19

Question 117

D) 68 - the amount added changes by 2 each time (1, 3, 5, 7, 9, 11): 32, 33, 36, 41, 48, 57, 68 **B1**

Answer: D) 68

Question 118

D) 11 - each term decreases by 8: 51, 43, 35, 27, 19, 11 **B1**

Answer: D) 11

Question 119

C) 33 - two series are woven together: the odd terms change by +4 and the even terms change by -3: 17, 83, 21, 80, 25, 77, 29, 74, 33 **B1**

Answer: C) 33

Question 120

C) 21 - each term increases by 4 (1, 5, 9, 13, 17, 21) **B1**

Answer: C) 21

Question 121

E) 17 - each term decreases by 8: 57, 49, 41, 33, 25, 17 **B1**

Answer: E) 17

Question 122

E) 50 - each term increases by 6: 20, 26, 32, 38, 44, 50 **B1**

Answer: E) 50

Question 123

C) 55 - the amount subtracted changes by 2 each time (3, 5, 7, 9, 11, 13): 103, 100, 95, 88, 79, 68, 55 **B1**

Answer: C) 55

Question 124

D) 7 - each term decreases by 8: 47, 39, 31, 23, 15, 7 **B1**

Answer: D) 7

Question 125

A) 116 - the amount subtracted changes by 2 each time (5, 7, 9, 11, 13, 15, 17): 193, 188, 181, 172, 161, 148, 133, 116 **B1**

Answer: A) 116

Question 126

B) 45 - each term increases by 4: 25, 29, 33, 37, 41, 45 **B1**

Answer: B) 45

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Question 127

B) 93 - the amount added changes by 3 each time (4, 7, 10, 13, 16, 19): 24, 28, 35, 45, 58, 74, 93 **B1**

Answer: B) 93

Question 128

A) 59 - the amount added changes by 2 each time (3, 5, 7, 9, 11, 13): 11, 14, 19, 26, 35, 46, 59 **B1**

Answer: A) 59

Question 129

D) 17 - the amount added increases by 1 each time (+1, +2, +3, +4, +5), so 12+5=17 **B1**

Answer: D) 17

Question 130

D) 30 - each term decreases by 6: 60, 54, 48, 42, 36, 30 **B1**

Answer: D) 30

Question 131

A) 15 - two series are woven together: the odd terms change by -2 and the even terms change by -5: 23, 89, 21, 84, 19, 79, 17, 74, 15 **B1**

Answer: A) 15

Question 132

D) 74 - the amount added changes by 2 each time (3, 5, 7, 9, 11, 13): 26, 29, 34, 41, 50, 61, 74 **B1**

Answer: D) 74

Question 133

B) 118 - each term increases by 12: 46, 58, 70, 82, 94, 106, 118 **B1**

Answer: B) 118

Question 134

E) 6 - each term decreases by 2: 16, 14, 12, 10, 8, 6 **B1**

Answer: E) 6

Question 135

D) 20 - each term decreases by 2: 32, 30, 28, 26, 24, 22, 20 **B1**

Answer: D) 20

Question 136

E) 25 - each term increases by 2: 15, 17, 19, 21, 23, 25 **B1**

Answer: E) 25

Question 137

D) 36 - these are the square numbers 1x1, 2x2, 3x3, 4x4, 5x5, 6x6 (1, 4, 9, 16, 25, 36) **B1**

Answer: D) 36

Question 138

A) 46 - the amount added changes by 1 each time (3, 4, 5, 6, 7, 8, 9): 4, 7, 11, 16, 22, 29, 37, 46 **B1**

Answer: A) 46

Question 139

B) 26 - each term increases by 4: 2, 6, 10, 14, 18, 22, 26 **B1**

Answer: B) 26

Question 140

D) 18 - two series are woven together: the odd terms change by +3 and the even terms change by +2: 6, 87, 9, 89, 12, 91, 15, 93, 18 **B1**

Answer: D) 18

Question 141

B) 32 - each term increases by 6: 2, 8, 14, 20, 26, 32 **B1**

Answer: B) 32

Question 142

E) 131 - each term increases by 15: 56, 71, 86, 101, 116, 131 **B1**

Answer: E) 131

Question 143

A) 21 - each term decreases by 2: 31, 29, 27, 25, 23, 21 **B1**

Answer: A) 21

Question 144

B) 51 - two series are woven together: the odd terms change by +6 and the even terms change by +3: 27, 86, 33, 89, 39, 92, 45, 95, 51 **B1**

Answer: B) 51

Question 145

E) 128 - the amount added changes by 4 each time (3, 7, 11, 15, 19, 23, 27): 23, 26, 33, 44, 59, 78, 101, 128 **B1**

Answer: E) 128

Question 146

D) 95 - each term increases by 11: 29, 40, 51, 62, 73, 84, 95 **B1**

Answer: D) 95

Question 147

C) 112 - the amount subtracted changes by 4 each time (2, 6, 10, 14, 18, 22): 184, 182, 176, 166, 152, 134, 112 **B1**

Answer: C) 112

Question 148

E) 35 - two series are woven together: the odd terms change by +3 and the even terms change by +3: 23, 65, 26, 68, 29, 71, 32, 74, 35 **B1**

Answer: E) 35

Question 149

B) 95 - the amount added changes by 2 each time (6, 8, 10, 12, 14, 16, 18): 11, 17, 25, 35, 47, 61, 77, 95 **B1**

Answer: B) 95

Question 150

D) 87 - each term increases by 8: 47, 55, 63, 71, 79, 87 **B1**

Answer: D) 87

Question 151

A) 383 - each term is the previous term multiplied by 2 then +1: 5, 11, 23, 47, 95, 191, 383 **B1**

Answer: A) 383

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Question 152

C) 118 - the amount subtracted changes by 3 each time (3, 6, 9, 12, 15, 18): 181, 178, 172, 163, 151, 136, 118 **B1**

Answer: C) 118

Question 153

C) 89 - the amount added changes by 4 each time (1, 5, 9, 13, 17, 21): 23, 24, 29, 38, 51, 68, 89 **B1**

Answer: C) 89

Question 154

A) 2552 - each term is the previous term multiplied by 3 then -1: 4, 11, 32, 95, 284, 851, 2552 **B1**

Answer: A) 2552

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