Quantitative Aptitude Number Series Questions 2021

1. Find the next term in the series.

169, 319, 519, 769, 1069, ?

A 1401

B 1391

C 1421

D 1411

E 1419

Correct Answers: E. 1419

The pattern is as follows:

122 + 25 = 169

172 + 30 = 319

222 + 35 = 519

272 + 40 = 769

322 + 45 = 1069

372 + 50 = 1419

2. Find the next term in the series.

41, 55, 71, 89, 109, ?

A 134

B 126

C 131

D 115

E 140

Correct Answers: C. 131

The pattern is as follows:

5 x 8 + 1 = 41

6 x 9 + 1 = 55

7 x 10 + 1 = 71

8 x 11 + 1 = 89

9 x 12 + 1 = 109

10 x 13 + 1 = 131

3. Find the next term in the series.

46, 69, 138, 345, 1035, ?

A 4457.5

B 3545.5

C 3622.5

D 3825.5

E 4789.5

Correct Answers: C. 3622.5

The pattern is as follows:

46 x 1.5 = 69

69 x 2 = 138

138 x 2.5 = 345

345 x 3 = 1035

1035 x 3.5 = 3622.5

4. Find the next term in the series.

5228, 5164, 5064, 4920, 4724, ?

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A 4468

B 4358

C 4493

D 4498

E 4496

Correct Answers: A. 4468

The pattern is as follows:

5228 - 82 = 5164

5164 - 102 = 5064

5064 - 122 = 4920

4920 - 142 = 4724

4724 - 162 = 4468

5. Find the next term in the series.

10, 18, 28, 40, 54, ?

A 56

B 68

C 70

D 71

E 74

Correct Answers: C. 70

The pattern is as follows:

1 x 5 + 5 = 10

2 x 6 + 6 = 18

3 x 7 + 7 = 28

4 x 8 + 8 = 40

5 x 9 + 9 = 54

6 x 10 + 10 = 70

6. Find the next term in the series.

294, 448, 648, 900, 1210, ?

A 1520

B 1480

C 1495

D 1430

E 1584

Correct Answers: E. 1584

The series is as follows:

72 x 6 = 294

82 x 7 = 448

92 x 8 = 648

102 x 9 = 900

112 x 10 = 1210

122 x 11 = 1584

7. Find the next term in the series.

2750, 2624, 2474, 2298, 2094, ?

A 1848

B 1856

C 1836

D 1815

E 1824

Correct Answers: B. 1856

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The series is as follows:

2750 - 9 x 14 = 2624

2624 - 10 x 15 = 2474

2474 - 11 x 16 = 2298

2298 - 12 x 17 = 2094

2094 - 13 x 18 = 1856

8. Find the next term in the series.

28, 44, -81, -45, -388, ?

A -342

B -314

C -373

D -324

E -365

Correct Answers: D. -324

The series is as follows:

28 + 42 = 44

44 - 53 = -81

-81 + 62 = -45

-45 - 73 = -388

-388 + 82 = -324

9. Find the next term in the series.

632, 582, 534, 488, 444, ?

A 417

B 402

C 410

D 408

E 412

Correct Answers: B. 402

The pattern is as follows:

252 + 7 = 632

242 + 6 = 582

232 + 5 = 534

222 + 4 = 488

212 + 3 = 444

202 + 2 = 402

10. Find the next term in the series.

809, 881, 945,1125, 1135, ?

A 1105

B 1125

C 1173

D 1169

E 1150

Correct Answers: E. 1150

The series adds the product of the digits to the previous number:

809 + 72 = 881

881 + 64 = 945

945 + 180 = 1125

1125 + 10 = 1135

1135 + 15 = 1150

11. Find the wrong term in the series given below.

12, 19, 28, 39, 54

A 12

B 54

C 19

D 28

E 39

Correct Answers: B. 54

The pattern is as follows:

1 x 4 + 8 = 12

2 x 5 + 9 = 19

3 x 6 + 10 = 28

4 x 7 + 11 = 39

5 x 8 + 12 = 52

12. Find the wrong term in the series given below.

16, 36, 40, 56, 88, 104

A 16

B 40

C 56

D 36

E 88

Correct Answers: D. 36

The pattern is 9 being multipled by consecutive prime numbers:

8 x 2 = 16

8 x 3 = 24

8 x 5 = 40

8 x 7 = 56

8 x 11 = 88

8 x 13 = 104

13. Find the wrong term in the series given below.

266, 234, 204, 176, 145, 126

A 266

B 234

C 204

D 145

E 176

Correct Answers: D. 145

The pattern is as follows:

162 + 10 = 266

152 + 9 = 234

142 + 8 = 204

132 + 7 = 176

122 + 6 = 150

112 + 5 = 126

14. Find the wrong term in the series given below.

5, 25, 65, 125, 206, 305

A 25

B 206

C 65

D 5

E 305

Correct Answers: B. 206

The pattern is as follows:

$5 + 20 \times 1 = 25$

$25 + 20 \times 2 = 65$

$65 + 20 \times 3 = 125$

$125 + 20 \times 4 = 205$

$205 + 20 \times 5 = 305$

15. Find the wrong term in the series given below.

726, 508, 342, 210, 118, 56

A 726

B 508

C 210

D 118

E 342

Correct Answers: E. 342

The pattern is as follows:

$93 - 3 = 726$

$83 - 4 = 508$

$73 - 5 = 338$

$63 - 6 = 210$

$53 - 7 = 118$

$43 - 8 = 56$

16. Find the next term in the series.

2192, 1722, 1324, 992, 720, ?

A 504

B 516

C 512

D 515

E 502

Correct Answers: The pattern is as follows:

$133 - 5 = 2192$

$123 - 6 = 1722$

$113 - 7 = 1324$

$103 - 8 = 992$

$93 - 9 = 720$

$83 - 10 = 502$

17. Find the next term in the series.

160, 400, 1400, 6300, 34650, ?

A 225225

B 255225

C 252225

D 252255

E 242522

Correct Answers: A. 225225

The pattern is as follows:

160 x 2.5 = 400

400 x 3.5 = 1400

1400 x 4.5 = 6300

6300 x 5.5 = 34650

34650 x 6.5 = 225225

18. Find the next term in the series.

5150, 5125, 5076, 4995, 4874, ?

A 4714

B 4718

C 4724

D 4705

E 4716

Correct Answers: D. 4705

The pattern is as follows:

5150 - 52 = 5125

5125 - 72 = 5076

5076 - 92 = 4995

4995 - 112 = 4874

4874 - 132 = 4705

19. Find the next term in the series.

635, 585, 537, 491, 447, ?

A 412

B 405

C 418

D 416

E 420

Correct Answers: B. 405

The pattern is as follows:

252 + 10 = 635

242 + 9 = 585

232 + 8 = 537

222 + 7 = 491

212 + 6 = 447

202 + 5 = 405

20. Find the next term in the series.

5, 10, 17, 26, 37, ?

A 50

B 75

C 60

D 65

E 62

Correct Answers: A. 50

The pattern is as follows:

1 x 2 + 3 = 5

2 x 3 + 4 = 10

3 x 4 + 5 = 17

4 x 5 + 6 = 26

5 x 6 + 7 = 37

6 x 7 + 8 = 50

21. Find the next term in the series.

4826809, 371293, 28561, 2197, 169, ?

A 13

B 28

C 26

D 32

E 26

Correct Answers: A. 13

The pattern is as follows:

4826809/13 = 371293

371293/13 = 28561

28561/13 = 2197

2197/13 = 169

169/13 = 13

22. Find the next term in the series.

386, 606, 876, 1196, 1566, ?

A 1942

B 1974

C 2071

D 1986

E 2052

Correct Answers: D. 1986

The pattern is as follows:

192 + 25 = 386

242 + 30 = 606

292 + 35 = 876

342 + 40 = 1196

392 + 45 = 1566

442 + 50 = 1986

23. Find the next term in the series.

37, 50, 65, 82, 101, ?

A 152

B 150

C 119

D 125

E 122

Correct Answers: E. 122

The pattern is as follows:

7 x 5 + 2 = 37

8 x 6 + 2 = 50

9 x 7 + 2 = 65

10 x 8 + 2 = 82

11 x 9 + 2 = 101

12 x 10 + 2 = 122

24. Find the next term in the series.

60, 150, 450, 1575, 6300, ?

A 27750

B 26250

C 28350

D 28375

E 29250

Correct Answers: C. 28350

The pattern is as follows:

60 x 2.5 = 150

150 x 3 = 450

450 x 3.5 = 1575

1575 x 4 = 6300

6300 x 4.5 = 28350

25. Find the next term in the series.

80, 90, 98, 104, 108, ?

A 112

B 125

C 110

D 114

E 128

Correct Answers: C. 110

The pattern is as follows:

16 x 5 = 80

15 x 6 = 90

14 x 7 = 98

13 x 8 = 104

12 x 9 = 108

11 x 10 = 110

26. The following numbers form a series. Find the odd one out.

34, 36, 76, 236, 994, 4730

A 34

B 36

C 76

D 236

E 994

Correct Answers: D. 236

The series follows the pattern:

34 × 1 + 2 = 36

36 × 2 + 4 = 76

76 × 3 + 6 = 234

234 × 4 + 8 = 944

944 × 5 + 10 = 4730

Therefore, 234 should be in place of 236.

27. The following numbers form a series. Find the odd one out.

70, 74, 90, 126,192, 290

A 70

B 192

C 90

D 126

E None of these

Correct Answers: B. 192

The series follows the following pattern:

70 + 22 = 74,

74 + 42 = 90,

90 + 62 = 126,

126 + 82 = 190,

190 + 102 = 290.

Therefore, 190 should be in place of 192.

28. The following numbers form a series. Find the odd one out.

820, 812, 785, 721, 596, 382

A 820

B 812

C 785

D 596

E 382

Correct Answers: E. 382

The series follows the pattern:

820 - 23 = 812

812 - 33 = 785

785 - 43 = 721

721 - 53 = 596

596 - 63 = 380

Therefore, 380 should be in place of 382.

29. The following numbers form a series. Find the odd one out.

6, 18, 38, 68, 108, 166

A 6

B 18

C 38

D 108

E 166

Correct Answers: D. 108

The series follows the following pattern:

6 + (4 × 3) = 18,

18 + (5 × 4) = 38,

38 + (6 × 5) = 68,

68 + (7 × 6) = 110,

110 + (8 × 7) = 166,

Therefore, 110 should be in place of 108.

30. The following numbers form a series. Find the odd one out.

440, 439, 437, 433, 425, 411, 377

A 440

B 411

C 425

D 433

E 437

Correct Answers: B. 411

The series follows the following pattern:

440 – 1 = 439,

439 – 2 = 437,

437 – 4 = 433,

433 – 8 = 425,

425 – 16 = 409,

409 – 32 = 377.

Therefore, 409 should be in place of 411.

31. What will come in place of the question mark (?) in the following series?

45, 64, 102, 159, ?, 330

A 178

B 194

C 216

D 235

E 242

Correct Answers: D. 235

The series follows the pattern:

45 + 19 × 1 = 64,

64 + 19 × 2 = 102,

102 + 19 × 3 = 159,

159 + 19 × 4 = 235,

235 + 19 × 5 = 330

32. What will come in place of the question mark (?) in the following series?

260, ?, 240, 204, 140, 40

A 265

B 256

C 240

D 284

E None of the above

Correct Answers: B. 256

The series follows the pattern:

260 – 22 = 256,

256 – 42 = 240,

240 – 62 = 204,

204 – 82 = 140,

140 – 102 = 40.

33. What will come in place of the question mark (?) in the following series?

110, 120, 135, 155, ?, 210

A 175

B 185

C 195

D 188

E 180

Correct Answers: E. 180

The series follows the pattern:

110 + 10 = 120,

120 + 15 = 135,

135 + 20 = 155,

155 + 25 = 180,

180 + 30 = 210.

34. What will come in place of the question mark (?) in the following series?

62, 68, 80, 104, 152, ?

A 238

B 292

C 256

D 248

E 204

Correct Answers: D. 248

The series follows the pattern:

62 + 6 = 68,

68 + 12 = 80,

80 + 24 = 104,

104 + 48 = 152,

152 + 96 = 248.

35. What will come in place of the question mark (?) in the following series?

12, 27, 53, 88, 138, ?

A 176

B 198

C 201

D 226

E 214

Correct Answers: C. 201

The series follows the pattern:

12 + (4² − 1) = 27,

27 + (5² + 1) = 53,

53 + (6² − 1) = 88,

88 + (7² + 1) = 138,

138 + (8² − 1) = 201.

36. The following numbers form a series. Find the odd one out.

8, 15, 32, 69, 136, 245

A 15

B 32

C 69

D 136

E 245

Correct Answers: E. 245

8 + 7 = 15

15 + 17 = 32

32 + 37 = 69

69 + 67 = 136

136 + 107 = 243

Therefore, 243 should be in place of 245.

37. The following numbers form a series. Find the odd one out.

332, 315, 252, 179, 60, -93

A 332

B 252

C 315

D 60

E 179

Correct Answers: B. 252

332 − 17 × 1 = 315

315 − 17 × 3 = 264

264 − 17 × 5 = 179

179 − 17 × 7 = 60

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60 – 17 × 9 = -93

Therefore, 264 should be in place of 252.

38. The following numbers form a series. Find the odd one out.

10, 12, 16, 25, 53, 179

A 10

B 12

C 25

D 53

E 179

Correct Answers: E. 179

 10 + 1! + 1 = 12

12 + 2! + 2 = 16

16 + 3! + 3 = 25

25 + 4! + 4 = 53

53 + 5! + 5 = 178

Therefore, 178 should be in place of 179.

39. The following numbers form a series. Find the odd one out.

14, 18, 27, 50, 101, 222

A 14

B 18

C 50

D 101

E 222

Correct Answers: C. 50

14 + 2² = 18

18 + 3² = 27

27 + 5² = 52

52 + 7² = 101

101 + 11² = 222

Therefore, 52 should be in place of 50.

40. The following numbers form a series. Find the odd one out.

20, 18, 38, 56, 94, 155

A 20

B 38

C 56

D 94

E 155

Correct Answers: E. 155

18 + 20 = 38

38 + 18= 56

56 + 38 = 94

94 + 56 = 150

Therefore, 150 should be in place of 155

41. What will come in place of the question mark (?) in the following series?

15, 16, 24, 51, ?, 240

A 108

B 110

C 112

D 115

B 81

E 120

C 63

Correct Answers: D. 115

D 36

15 + 13 = 16

E 27

16 + 23 = 24

Correct Answers: A. 9

24 + 33 = 51

141 + 22 = 145

51 + 43 = 115

145 − 33 = 118

115 + 53 = 240

118 + 42 = 134

42. What will come in place of the question mark (?) in the following series?

134 − 53 = 9

6, 8, 20, 50, 106, ?

9 + 62 = 45

A 188

44. What will come in place of the question mark (?) in the following series?

B 192

C 196

16, 33, ?,197, 590, 1181

D 204

A 76

E 208

B 98

Correct Answers: C. 196

C 148

6 + 2 × 1 = 8

D 192

8 + 4 × 3 = 20

E None of these

20 + 6 × 5 = 50

Correct Answers: B. 98

50 + 8 × 7 = 106

16 × 2 + 1 = 33

106 + 10 × 9 = 196

33 × 3 − 1 = 98

43. What will come in place of the question mark (?) in the following series?

98 × 2 + 1 = 197

197 × 3 − 1 = 590

141, 145, 118, 134, ?, 45

590 × 2 + 1 = 1181

A 9

45. What will come in place of the question mark (?) in the following series?

27, 25, 52, ?, 129, 206

A 82

B 77

C 88

D 86

E None of these

Correct Answers: B. 77

25 + 27 = 52

52 + 25 = 77

77 + 52 = 129

129 + 77 = 206

46. What will come in place of the question mark (?) in the following series?

460, 459, 455, 446, ?, 405

A 442

B 520

C 430

D 530

E 535

Correct Answers: C. 430

The series follows the pattern:

460 – 12 = 459,

459 – 22 = 455,

455 – 32 = 446,

446 – 42 = 430,

430 – 52 = 405.

47. What will come in place of the question mark (?) in the following series?

11, 28, ?, 164, 283, 436

A 82

B 79

C 96

D 92

E 99

Correct Answers: B. 79

The series follows the pattern:

$11 + 17 \times 1 = 28$,

$28 + 17 \times 3 = 79$,

$79 + 17 \times 5 = 164$,

$164 + 17 \times 7 = 283$,

$283 + 17 \times 9 = 436$.

48. What will come in place of the question mark (?) in the following series?

17, 9, 10, 22, 92, ?

A 804

B 828

C 824

D 744

E 812

Correct Answers:

49. The following numbers form a series. Find the odd one out.

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15, 30, 54, 88, 129, 180

A 88

B 30

C 129

D 180

E 54

Correct Answers: D. 744

The series follows the pattern:

$17 \times 0.5 + 0.5 = 9$,

$9 \times 1 + 1 = 10$,

$10 \times 2 + 2 = 22$,

$22 \times 4 + 4 = 92$,

$92 \times 8 + 8 = 744$.

50. The following numbers form a series. Find the odd one out.

20, 27, 38, 58, 80, 115

A 27

B 80

C 58

D 80

E 115

Correct Answers: A. 88

$15 + 15 = 30$

$30 + 24 = 54$

$54 + 33 = 87$

$87 + 42 = 129$

$129 + 51 = 180$

Therefore, 87 should be in place of 88.

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