

Number Series Questions for Bank Exams

Directions (1 - 10): In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

Q1. 15, 22, 6, 30, -2, 38, -10

- (a) 15
- (b) 22
- (c) 6
- (d) -2
- (e) 38

Q2. 18, 5, 9, 9.5, 23, 54.5, 164.5

- (a) 54.5
- (b) 18
- (c) 5
- (d) 9
- (e) 164.5

Q3. 102, 158, 218, 282, 350, 422, 500

- (a) 102
- (b) 218
- (c) 350
- (d) 500
- (e) 422

Q4. 72, 52, 42, 30, 20, 12, 6

- (a) 72
- (b) 42
- (c) 30
- (d) 6
- (e) 52

Q5. 125, 164, 284, 484, 764, 1124

- (a) 120
- (b) 125
- (c) 116
- (d) 108
- (e) 136

Q6. 375, 384, 394, 410, 434, 468, 514

- (a) 384
- (b) 514
- (c) 394
- (d) 375
- (e) 434

Q7. 248, 250, 279, 295, 420, 456, 799.

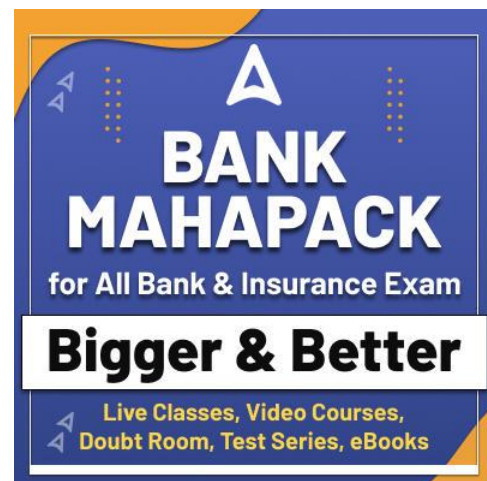
- (a) 279
- (b) 250
- (c) 295
- (d) 456
- (e) 799

Q8. 16, 22, 28, 40, 56, 76, 100

- (a) 22
- (b) 28
- (c) 56
- (d) 16
- (e) 40

Q9. 6, 8, 18, 57, 232, 1165, 6996

- (a) 57
- (b) 8
- (c) 6996
- (d) 1165
- (e) 6



Q10. 15, 14, 26, 75, 296, 1485, 8844

- (a) 15
- (b) 75
- (c) 296
- (d) 26
- (e) 1485

Directions (11 - 20) : In each of these questions a number series is given. Find what comes at the place of question (?) mark.

Q11. 11, 13, 17, 25, 41, ?

- (a) 73
- (b) 79
- (c) 82
- (d) 90
- (e) 68

Q12. 21, ?, 46, 66, 91, 121

- (a) 39
- (b) 31
- (c) 29
- (d) 27
- (e) 33

Q13. 3, 6, 14, 38, ?, 206

- (a) 154
- (b) 126
- (c) 86
- (d) 112
- (e) 72

Q14. 2, 12, ?, 240, 720, 1440

- (a) 72
- (b) 84
- (c) 36
- (d) 60
- (e) 48

Q15. 3, 6, ?, 42, 123, 366

- (a) 12
- (b) 24
- (c) 15
- (d) 18
- (e) 21

Q16. 11, 16.5, 22, 27.5, ?, 38.5

- (a) 34.5
- (b) 32
- (c) 30.5
- (d) 31.5
- (e) 33

Q17. 390, 300, 244, 214, ?, 200

- (a) 210
- (b) 208
- (c) 206
- (d) 204
- (e) 202

Q18. ?, 45, 36, 43, 34, 41

- (a) 38
- (b) 28
- (c) 36
- (d) 54
- (e) 27

Q19. 7, 25, ?, 69, 99, 137

- (a) 39
- (b) 58
- (c) 62
- (d) 45
- (e) 57

Q20. 761, 592, 448, 327, ?, 146

- (a) 302
- (b) 264
- (c) 292
- (d) 276
- (e) 227

Directions (21-30): What will come in place of question (?) mark in the following number series?

Q21. 25, 33, 46, 69, 112, ?

- (a) 175
- (b) 180
- (c) 185
- (d) 190
- (e) 195

Q22. ?, 5, 12, 39, 160, 805

- (a) 2
- (b) 4
- (c) 3
- (d) 5
- (e) 8

Q23. 11, 24, 41, 62, ?, 116

- (a) 81
- (b) 86
- (c) 87
- (d) 93
- (e) 103

Q24. 122, 114, 98, 66, ?, -126

- (a) 3
- (b) 5
- (c) 2
- (d) 11
- (e) 17

Q25. 56, 72, 90, 110, ?, 156

- (a) 132
- (b) 90
- (c) 73
- (d) 93
- (e) 87

Q26. 567, 571, ?, 623, 687, 787

- (a) 615
- (b) 599
- (c) 587
- (d) 601
- (e) 593

Q27. 167, 118, 76, 42, ?, -4

- (a) 17
- (b) 14
- (c) 18
- (d) 16
- (e) 25

Q28. ?, 120, 134, 160, 204, 272

- (a) 112
- (b) 104
- (c) 106
- (d) 114
- (e) 100

Q29. 5, ?, 2067, 2411, 2537, 2565

- (a) 1337
- (b) 1327
- (c) 1317
- (d) 1307
- (e) 1347

Q30. 427, ?, 366, 73.2, 292.8, 97.6

- (a) 51
- (b) 41
- (c) 61
- (d) 71
- (e) 31

Directions (31 -45) : In each of these questions a number series is given. In each series, only one number is wrong. Find out the wrong number.

Q31. 404, 388, 366, 332, 292, 244, 188

- (a) 188
- (b) 366
- (c) 244
- (d) 292
- (e) 332

Q32. 512, 255, 127, 63, 31, 15, 7

- (a) 15
- (b) 31
- (c) 127
- (d) 512
- (e) 63

Q33. 521, 563, 613, 670, 734, 805, 883

- (a) 613
- (b) 805
- (c) 734
- (d) 563
- (e) 521

Q34. 137, 149, 179, 235, 325, 457, 630

- (a) 630
- (b) 149
- (c) 325
- (d) 457
- (e) 179

Q35. 312, 314, 330, 366, 430, 530, 674

- (a) 430
- (b) 314
- (c) 674
- (d) 366
- (e) 312

Q36. 0.5, 3.5, 21, 105, 420, 1260, 2500

- (a) 21
- (b) 105
- (c) 2500
- (d) 420
- (e) 3.5

Q37. 2249, 2240, 2215, 2166, 2085, 1964, 1796

- (a) 1796
- (b) 2166
- (c) 2085
- (d) 2240
- (e) 1964

Q38. 17, 35, 66, 126, 244, 478, 944

- (a) 35
- (b) 244
- (c) 478
- (d) 17
- (e) 66

Q39. 114, 154, 202, 258, 322, 394, 478

- (a) 394
- (b) 478
- (c) 202
- (d) 322
- (e) 258

Q40. 596, 611, 628, 647, 670, 699, 730

- (a) 611
- (b) 670
- (c) 628
- (d) 730
- (e) 596

Q41. 130, 160, 176, 301, 337, 680, 744

- (a) 130
- (b) 337
- (c) 301
- (d) 160
- (e) 176

Q42. 711, 722, 744, 777, 821, 876, 940

- (a) 821
- (b) 940
- (c) 744
- (d) 722
- (e) 876

Q43. 3, 4, 9, 28, 113, 566, 3396

- (a) 113
- (b) 566
- (c) 3396
- (d) 3
- (e) 4

Q44. 444, 448, 474, 489, 613, 648, 990

- (a) 474
- (b) 990
- (c) 448
- (d) 444
- (e) 613

Q45. 125, 343, 81, 1331, 169, 3375, 289

- (a) 125
- (b) 343
- (c) 1331
- (d) 289
- (e) 81

Directions (46-60): In each of these questions a number series is given. In each series only one number, if any, is wrong. Find out the wrong number.

Q46. 55, 120, 210, 338, 517, 760, 1090

- (a) 120
- (b) 1090
- (c) 760
- (d) 55
- (e) 338

Q47. 110, 140, 240, 261, 365, 380, 492

- (a) 240
- (b) 380
- (c) 492
- (d) 140
- (e) 110

Q48. 105, 106, 123, 154, 197, 255, 327

- (a) 197
- (b) 105
- (c) 154
- (d) 255
- (e) 123

Q49. 1, 329, 638, 911, 1130, 1277, 1334

- (a) 1
- (b) 1334
- (c) 911
- (d) 1277
- (e) 638

Q50. 2100, 2136, 1990, 2316, 1740, 2640, 1344

- (a) 2100
- (b) 1990
- (c) 2316
- (d) 1740
- (e) 2640

Q51. 28, 14, 14, 22, 42, 105, 315

- (a) 28
- (b) 42
- (c) 315
- (d) 22
- (e) 105

Q52. 5, 7, 13, 25, 47, 75, 117

- (a) 5
- (b) 7
- (c) 75
- (d) 117
- (e) 47

Q53. 288000, 24000, 3600, 300, 50, 12.5, 6.25

- (a) 24000
- (b) 50
- (c) 12.5
- (d) 3600
- (e) 6.25

Q54. 120, 125, 136, 149, 166, 185, 208

- (a) 120
- (b) 166
- (c) 149
- (d) 185
- (e) 208

Q55. 205, 214, 186, 250, 125, 341, -2

- (a) 205
- (b) 214
- (c) 250
- (d) 125
- (e) -2

Q56. 810, 820, 832, 868, 1012, 1732, 6052

- (a) 6052
- (b) 810
- (c) 868
- (d) 832
- (e) 1732

Q57. 1024, 350, 832, 508, 704, 604, 640

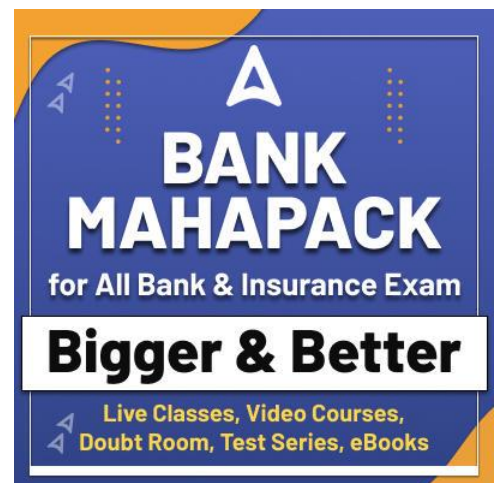
- (a) 1024
- (b) 640
- (c) 704
- (d) 350
- (e) 508

Q58. 190, 210, 266, 358, 486, 646, 850

- (a) 646
- (b) 850
- (c) 486
- (d) 190
- (e) 210

Q59. 15, 50, 160, 370, 709, 1208, 1904

- (a) 15
- (b) 50
- (c) 370
- (d) 1208
- (e) 15



Q60. 120, 170, 251, 367, 522, 720, 990

- (a) 120
- (b) 990
- (c) 522
- (d) 367
- (e) 251

Directions (61-70) :- Find the value of question (?) mark in the following number series.

Q61. 3, 4, 10, 33, ?, 685

- (a) 140
- (b) 136
- (c) 154
- (d) 156
- (e) 144

Q62. 8, 4, 6, 15, ?, 236.25

- (a) 46.5
- (b) 48.5
- (c) 50.5
- (d) 52.5
- (e) 54.5

Q63. 13, 31, 52, 79, 115, ?

- (a) 163
- (b) 153
- (c) 160
- (d) 167
- (e) 175

Q64. 119, 167, 287, 359, ?, 839

- (a) 523
- (b) 627
- (c) 623
- (d) 527
- (e) 529

Q65. 4, 7, 13, 25, 49, ?

- (a) 79
- (b) 97
- (c) 93
- (d) 89
- (e) 127

Q66. 64, 32, 32, 48, 96, 240, ?

- (a) 360
- (b) 324
- (c) 720
- (d) 576
- (e) 600

Q67. 5, 16, 38, 71, 115, ?, 236

- (a) 140
- (b) 159
- (c) 181
- (d) 170
- (e) 178

Q68. 1, ?, 17, 53, 161, 485, 1457

- (a) 3
- (b) 5
- (c) 7
- (d) 9
- (e) 12

Q69. 7.1, 7.7, 8.9, 10.7, 13.1, 16.1, ?

- (a) 19.7
- (b) 19.3
- (c) 18.7
- (d) 18.3
- (e) 20.1

Q70. 3, 5, 10, 20, 37, 63, ?

- (a) 90
- (b) 115
- (c) 95
- (d) 80
- (e) 100

Direction (71 - 80): Find the wrong number in following number series:

Q71. 12, 28, 60, 124, 252, 506, 1020

- (a) 506
- (b) 12
- (c) 28
- (d) 60
- (e) 124

Q72. 5, 18, 34, 54, 79, 110, 158

- (a) 34
- (b) 5
- (c) 18
- (d) 54
- (e) 158

Q73. 8, 48, 240, 960, 2400, 5760, 5760

- (a) 8
- (b) 48
- (c) 960
- (d) 2400
- (e) 5760

Q74. 64, 58, 66, 62, 68, 64, 70

- (a) 64
- (b) 58
- (c) 62
- (d) 70
- (e) 66

Q75. 64, 56, 65, 49, 74, 38, 87

- (a) 87
- (b) 64
- (c) 38
- (d) 56
- (e) 49

Q76. 12, 39, 63, 90, 104, 141, 165

- (a) 104
- (b) 39
- (c) 90
- (d) 141
- (e) 165

Q77. 13, 40, 56, 181, 217, 562, 624

- (a) 13
- (b) 40
- (c) 181
- (d) 562
- (e) 217

Q78. 112, 128, 108, 132, 104, 134, 100

- (a) 112
- (b) 128
- (c) 134
- (d) 108
- (e) 100

Q79. 120, 145, 168, 197, 224, 255, 288

- (a) 288
- (b) 197
- (c) 145
- (d) 255
- (e) 120

Q80. 5, 6, 14, 45, 184, 920, 5556

- (a) 5
- (b) 6
- (c) 14
- (d) 920
- (e) 45

Directions (81-100) : What will come in the place of question mark (?) in the following number series:

Q81. ?, 5, 20, 120, 960, 9600

- (a) 2
- (b) 2.5
- (c) 5
- (d) 3
- (e) 1

Q82. 20, ?, 32, 44, 60, 80

- (a) 26
- (b) 28
- (c) 25
- (d) 24
- (e) 22

Q83. 0, 8, 24, 48, ?, 120

- (a) 75
- (b) 84
- (c) 82
- (d) 80
- (e) 85

Q84. ?, 6, 4, 6, 22, 174

- (a) 16
- (b) 10
- (c) 12
- (d) 15
- (e) 9

Q85. 55, 63, 76, 95, 121, ?

- (a) 159
- (b) 155
- (c) 157
- (d) 163
- (e) 160

Q86. 6400, ?, 50, 12.5, 6.25, 6.25

- (a) 365
- (b) 400
- (c) 375
- (d) 380
- (e) 360

Q87. ?, 8, 23, 68, 203, 608

- (a) 4
- (b) 5
- (c) 2
- (d) 3
- (e) 8

Q88. 115, 119, 128, 153, ?, 323

- (a) 202
- (b) 200
- (c) 206
- (d) 205
- (e) 208

Q89. 243, 258, 276, 297, 321, ?

- (a) 340
- (b) 338
- (c) 348
- (d) 337
- (e) 345

Q90. 59, 64, 74, 91, 117, ?

- (a) 160
- (b) 154
- (c) 150
- (d) 170
- (e) 190

Q91. 26, 39, 50, 63, ?, 87

- (a) 75
- (b) 78
- (c) 72
- (d) 74
- (e) 76

Q92. 12, ?, 8, 17, 69, 553

- (a) 6.5
- (b) 7
- (c) 6
- (d) 5
- (e) None of these

Q93. 24, 48, 96, 176, 296, ?

- (a) 464
- (b) 476
- (c) 496
- (d) 456
- (e) 446

Q94. 63, 215, 511, ?, 1727, 2743

- (a) None of these
- (b) 999
- (c) 728
- (d) 342
- (e) 1330

Q95. 16, 85, 344, ?, 2072, 2073

- (a) 1032
- (b) 1033
- (c) 1037
- (d) 1042
- (e) 1035

Q96. 15, 23, ?, 96, 121, 337

- (a) 48
- (b) 32
- (c) 56
- (d) 64
- (e) 70

Q97. ?, 21, 22, 34.5, 71, 180

- (a) 20
- (b) 41
- (c) 36
- (d) 40
- (e) 32

Q98. 5, ?, 125, 625, 3125, 15625

- (a) 100
- (b) 15
- (c) 25
- (d) 20
- (e) 30

Q99. 3, 5, 13, 43, ?, 891

- (a) 256
- (b) 310
- (c) 232
- (d) 118
- (e) 177

Q100. 4, 6, 13, 27, 50, ?

- (a) 92
- (b) 72
- (c) 84
- (d) 68
- (e) 102

Solutions

S1. Ans.(a)

Sol. Pattern of series

Wrong number = 15

$$14+8=22$$

$$22-16=6$$

$$6+24=30$$

$$30-32=-2$$

$$-2+40=38$$

$$38-48=-10$$

S2. Ans.(a)

Sol. Pattern of series

Wrong number = 54.5

$$18 \times 0.5 - 4 = 5$$

$$5 \times 1 + 4 = 9$$

$$9 \times 1.5 - 4 = 9.5$$

$$9.5 \times 2 + 4 = 23$$

$$23 \times 2.5 - 4 = 53.5$$

$$53.5 \times 3 + 4 = 164.5$$

S3. Ans.(d)

Sol. Pattern of series

Wrong number = 500

$$102 + 56 = 158$$

$$158 + 60 = 218$$

$$218 + 64 = 282$$

$$282 + 68 = 350$$

$$350 + 72 = 422$$

$$422 + 76 = 498$$

S4. Ans.(e)

Sol. Pattern of series

Wrong number = 52

$$8 \times 9 = 72$$

$$7 \times 8 = 56$$

$$6 \times 7 = 42$$

$$5 \times 6 = 30$$

$$4 \times 5 = 20$$

$$3 \times 4 = 12$$

$$2 \times 3 = 6$$

S5. Ans.(b)

Sol. Pattern of series

Wrong number = 125

$$124 + (40 \times 1) = 164$$

$$164 + (40 \times 3) = 284$$

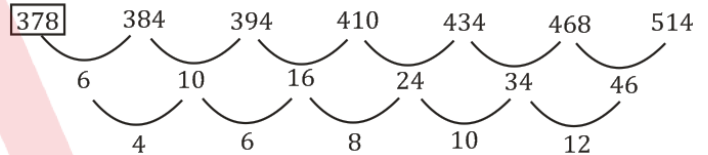
$$284 + (40 \times 5) = 484$$

$$484 + (40 \times 7) = 764$$

$$764 + (40 \times 9) = 1124$$

S6. Ans.(d)

Sol. Wrong number = 375.



there will be 378 in place of 375.

S7. Ans.(b)

Sol. Wrong number = 250.



there will be 252 in place of 250.

S8. Ans.(a)

Sol. Wrong number = 22

Pattern of series -

$$16 + 4 = 20$$

$$20 + 8 = 28$$

$$28 + 12 = 40$$

$$40 + 16 = 56$$

$$56 + 20 = 76$$

$$76 + 24 = 100$$

S9. Ans.(e)

Sol. Wrong number = 6

Pattern of series -

$$7 \times 1 + 1 = 8$$

$$8 \times 2 + 2 = 18$$

$$18 \times 3 + 3 = 57$$

$$57 \times 4 + 4 = 232$$

$$232 \times 5 + 5 = 1165$$

$$1165 \times 6 + 6 = 6996$$

S10. Ans.(e)**Sol.** Wrong number = 1485

Pattern of series –

$15 \times 1 - 1 = 14$

$14 \times 2 - 2 = 26$

$26 \times 3 - 3 = 75$

$75 \times 4 - 4 = 296$

$296 \times 5 - 5 = \mathbf{1475}$

$1475 \times 6 - 6 = 8844$

S11. Ans.(a)**Sol.** The pattern of the series–

$11 + 2 = 13$

$13 + 4 = 17$

$17 + 8 = 25$

$25 + 16 = 41$

$41 + 32 = \mathbf{73}$

S12. Ans.(b)**Sol.** The pattern of the series–

$21 + 10 = \mathbf{31}$

$\mathbf{31} + 15 = 46$

$46 + 20 = 66$

$66 + 25 = 91$

$91 + 30 = 121$

S13. Ans.(c)**Sol.** The pattern of the series–

$3 + (2^2 - 1) = 6$

$6 + (3^2 - 1) = 14$

$14 + (5^2 - 1) = 38$

$38 + (7^2 - 1) = \mathbf{86}$

$\mathbf{86} + (11^2 - 1) = 206$

S14. Ans.(d)**Sol.** The pattern of the series–

$2 \times 6 = 12$

$12 \times 5 = \mathbf{60}$

$\mathbf{60} \times 4 = 240$

$240 \times 3 = 720$

$720 \times 2 = 1440$

S15. Ans.(c)**Sol.** The pattern of the series–

$3 \times 3 - 3 = 6$

$6 \times 3 - 3 = \mathbf{15}$

$\mathbf{15} \times 3 - 3 = 42$

$42 \times 3 - 3 = 123$

$123 \times 3 - 3 = 366$

S16. Ans.(e)**Sol.** The pattern of the series–

$11 + 5.5 = 16.5$

$16.5 + 5.5 = 22$

$22 + 5.5 = 27.5$

$27.5 + 5.5 = \mathbf{33}$

$\mathbf{33} + 5.5 = 38.5$

S17. Ans.(e)**Sol.** The pattern of the series–

$390 - (10 \times 9) = 300$

$300 - (8 \times 7) = 244$

$244 - (6 \times 5) = 214$

$214 - (4 \times 3) = \mathbf{202}$

$\mathbf{202} - (2 \times 1) = 200$

S18. Ans.(a)**Sol.** The pattern of the series–

$\mathbf{38} + 7 = 45$

$45 - 9 = 36$

$36 + 7 = 43$

$43 - 9 = 34$

$34 + 7 = 41$

S19. Ans.(d)**Sol.**

The pattern of the series–

7	25	45	69	99	137
	+18	+20	+24	+30	+38
	+2	+4	+6	+8	

S20. Ans.(e)**Sol.** The pattern of the series–

$761 - 13^2 = 592$

$592 - 12^2 = 448$

$448 - 11^2 = 327$

$327 - 10^2 = \mathbf{227}$

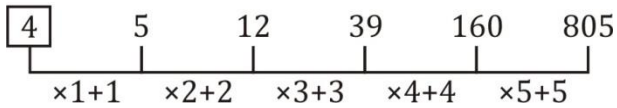
$\mathbf{227} - 9^2 = 146$

S21. Ans.(e)**Sol.**

25	33	46	69	112	195
	8	13	23	43	83
	5	10	20	40	

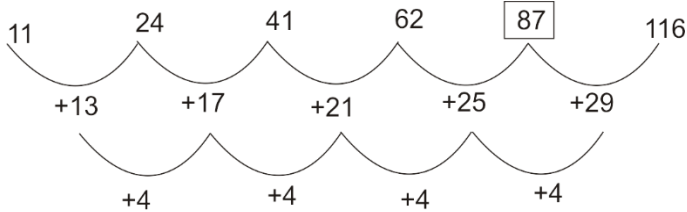
S22. Ans.(b)

Sol.



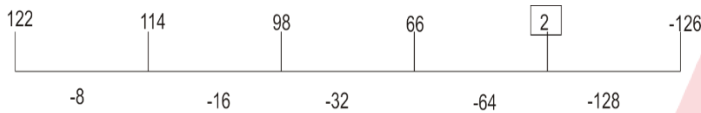
S23. Ans.(c)

Sol. Pattern of series -



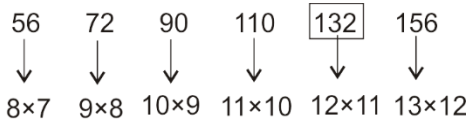
S24. Ans.(c)

Sol. Pattern of series -



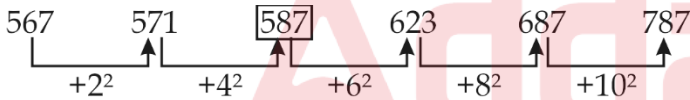
S25. Ans.(a)

Sol. Pattern of series -



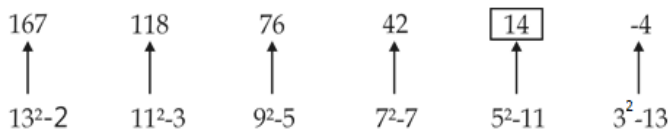
S26. Ans.(c)

Sol.



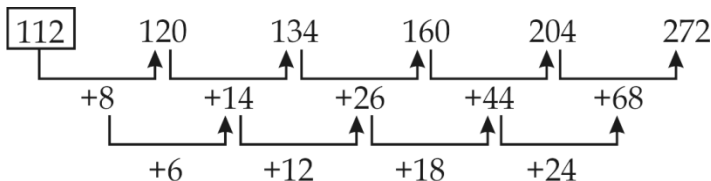
S27. Ans.(b)

Sol.



S28. Ans.(a)

Sol.



S29. Ans.(a)

Sol. Pattern is —

$+(11^3+1)$, $+(9^3+1)$, $+(7^3+1)$, $+(5^3+1)$, $+(3^3+1)$,
So, $5 + (11^3 + 1) = 1337$

S30. Ans.(c)

Sol. Pattern is—

$\div 7$, $\times 6$, $\div 5$, $\times 4$, $\div 3$, ...

So, $427 \div 7 = 61$

S31. Ans.(b)

Sol. Pattern of series-

$404 - 16 = 388$

$388 - 24 = 364$

$364 - 32 = 332$

$332 - 40 = 292$

$292 - 48 = 244$

$244 - 56 = 188$

So, Wrong number is 366.

S32. Ans.(d)

Sol. Pattern of series-

$511 \div 2 - 0.5 = 255$

$255 \div 2 - 0.5 = 127$

$127 \div 2 - 0.5 = 63$

$63 \div 2 - 0.5 = 31$

$31 \div 2 - 0.5 = 15$

$15 \div 2 - 0.5 = 7$

So, Wrong number is 512.

S33. Ans.(e)

Sol. Pattern of series-

520 563 613 670 734 805 883

+43 +50 +57 +64 +71 +78

+7 +7 +7 +7 +7

So, Wrong number is 521.

S34. Ans.(a)

Sol. Pattern of series-

$137+3 \times 4 = 149$

$149+5 \times 6 = 179$

$179+7 \times 8 = 235$

$235 + 9 \times 10 = 325$

$325 + 11 \times 12 = 457$

$457 + 13 \times 14 = 639$

So, Wrong number is 630.

S35. Ans.(e)**Sol.** Pattern of series-

$310 + 2^2 = 314$

$314 + 4^2 = 330$

$330 + 6^2 = 366$

$366 + 8^2 = 430$

$430 + 10^2 = 530$

$530 + 12^2 = 674$

So, Wrong number is 312.

S36. Ans.(c)**Sol.** Pattern of series-

$0.5 \times 7 = 3.5$

$3.5 \times 6 = 21$

$21 \times 5 = 105$

$105 \times 4 = 420$

$420 \times 3 = 1260$

$1260 \times 2 = 2520$

So, Wrong number is 2500.

S37. Ans.(a)**Sol.** Pattern of series-

$2249 - 3^2 = 2240$

$2240 - 5^2 = 2215$

$2215 - 7^2 = 2166$

$2166 - 9^2 = 2085$

$2085 - 11^2 = 1964$

$1964 - 13^2 = 1795$

So, Wrong number is 1796.

S38. Ans.(d)**Sol.** Pattern of series-

$18.5 \times 2 - 2 = 35$

$35 \times 2 - 4 = 66$

$66 \times 2 - 6 = 126$

$126 \times 2 - 8 = 244$

$244 \times 2 - 10 = 478$

$478 \times 2 - 12 = 944$

So, Wrong number is 17.

S39. Ans.(b)**Sol.** Pattern of series-

$114 \quad 154 \quad 202 \quad 258 \quad 322 \quad 394 \quad 474$

$+40 \quad +48 \quad +56 \quad +64 \quad +72 \quad +80$

$+8 \quad +8 \quad +8 \quad +8 \quad +8 \quad +8$

So, Wrong number is 478.

S40. Ans.(e)**Sol.**

$598 \quad 611 \quad 628 \quad 647 \quad 670 \quad 699 \quad 730$
 $+13 \quad +17 \quad +19 \quad +23 \quad +29 \quad +31$

So, Wrong number is 596.

S41. Ans.(a)**Sol.** Pattern of series-

$133 + 3^3 = 160$

$160 + 4^2 = 176$

$176 + 5^3 = 301$

$301 + 6^2 = 337$

$337 + 7^3 = 680$

$680 + 8^2 = 744$

So, Wrong number is 130.

S42. Ans.(b)**Sol.** Pattern of series-

$711 + (11 \times 1) = 722$

$722 + (11 \times 2) = 744$

$744 + (11 \times 3) = 777$

$777 + (11 \times 4) = 821$

$821 + (11 \times 5) = 876$

$876 + (11 \times 6) = 942$

So, Wrong number is 940.

S43. Ans.(c)**Sol.** Pattern of series-

$3 \times 1 + 1 = 4$

$4 \times 2 + 1 = 9$

$9 \times 3 + 1 = 28$

$28 \times 4 + 1 = 113$

$113 \times 5 + 1 = 566$

$566 \times 6 + 1 = 3397$

So, Wrong number is 3396.

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S44. Ans.(d)**Sol.** Pattern of series-

$$445 + 2^2 - 1 = 448$$

$$448 + 3^3 - 1 = 474$$

$$474 + 4^2 - 1 = 489$$

$$489 + 5^3 - 1 = 613$$

$$613 + 6^2 - 1 = 648$$

$$648 + 7^3 - 1 = 990$$

So, Wrong number is 444.

S45. Ans.(a)**Sol.** Pattern of series-

$$5^2 = 25$$

$$7^3 = 343$$

$$9^2 = 81$$

$$11^3 = 1331$$

$$13^2 = 169$$

$$15^3 = 3375$$

$$17^2 = 289$$

So, Wrong number is 125.

S46. Ans.(b)**Sol.** Wrong number = 1090

Pattern of series -

55	120	210	338	517	760	1080
+65		+90		+128		+179
+25		+38		+51		+64
+13		+13		+13		+13

So, there should be 1080 in place of 1090.

S47. Ans.(e)**Sol.** Wrong number = 110

Pattern of series -

113	140	240	261	365	380	492
+27		+100		+21		+104
+73		-79		+83		-89
+73		-79		+83		-89

So, there should be 113 in place of 110.

S48. Ans.(d)**Sol.** Wrong number = 255

Pattern of series -

105	106	123	154	197	256	327
+18×1-17		+18×2-19		+18×3-23		+18×4-29
+18×5-31		+18×6-37		+18×7-43		+18×8-49

So, there should be 256 in place of 255.

S49. Ans.(a)**Sol.** Wrong number = 1

Pattern of series -

2	329	638	911	1130	1277	1334
+327		+309		+273		+219
-18		-36		-54		-72
-18		-36		-54		-72

So, there should be 2 in place of 1.

S50. Ans.(b)**Sol.** Wrong number = 1990

Pattern of series -

2100	2136	1992	2316	1740	2640	1344
+36		-144		+324		-576
+900		+900		-1296		-1296
↑		↑		↑		↑
(6) ²		(12) ²		(18) ²		(24) ²
(24) ²		(30) ²		(36) ²		(36) ²

So, there should be 1992 in place of 1990.

S51. Ans.(d)**Sol.** Wrong no. = 22

$28 \times 0.5 = 14$

$14 \times 1 = 14$

$14 \times 1.5 = 21$

$21 \times 2 = 42$

$42 \times 2.5 = 105$

$105 \times 3 = 315$

S52. Ans.(e)**Sol.** Wrong no. = 47

$5 + (1^2 + 1) = 7$

$7 + (2^2 + 2) = 13$

$13 + (3^2 + 3) = 25$

$25 + (4^2 + 4) = 45$

$45 + (5^2 + 5) = 75$

$75 + (6^2 + 6) = 117$

S53. Ans.(d)**Sol.** Wrong no. = 2400

$288000 \div 12 = 24000$

$24000 \div 10 = 2400$

$2400 \div 8 = 300$

$300 \div 6 = 50$

$50 \div 4 = 12.5$

$12.5 \div 2 = 6.25$

S54. Ans.(a)**Sol.** Wrong no. = 120

$118 + 7 = 125$

$125 + 11 = 136$

$136 + 13 = 149$

$149 + 17 = 166$

$166 + 19 = 185$

$185 + 23 = 208$

S55. Ans.(b)**Sol.** Wrong no. = 214

$205 + 2^3 = 213$

$213 - 3^3 = 186$

$186 + 4^3 = 250$

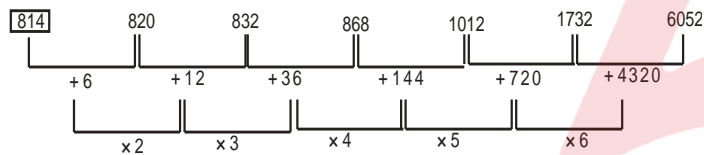
$250 - 5^3 = 125$

$125 + 6^3 = 341$

$341 - 7^3 = -2$

S56. Ans.(b)**Sol.** Wrong number = 810

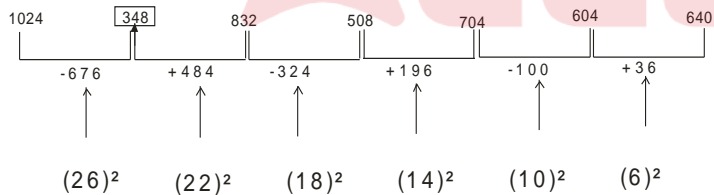
Pattern of series -



So, there should be 814 in place of 810.

S57. Ans.(d)**Sol.** Wrong number = 350

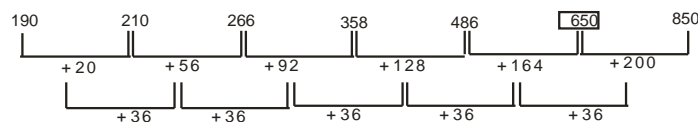
Pattern of series -



So, there should be 348 in place of 350.

S58. Ans.(a)**Sol.** Wrong number = 646

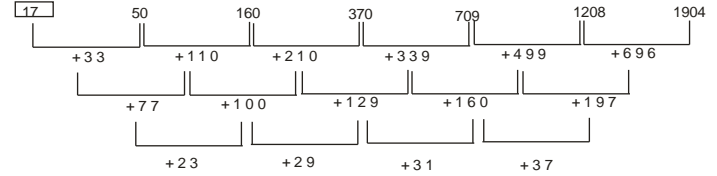
Pattern of series -



So, there should be 650 in place of 646.

S59. Ans.(e)**Sol.** Wrong number = 15

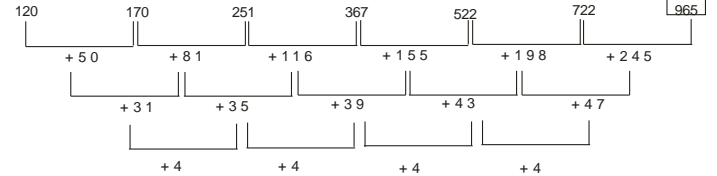
Pattern of series -



So, there should be 17 in place of 15.

S60. Ans.(b)**Sol.** Wrong number = 990

Pattern of series -



So, there should be 965 in place of 990.

S61. Ans.(b)**Sol.** Pattern of series -

$3 \times 1 + 1 = 4$

$4 \times 2 + 2 = 10$

$10 \times 3 + 3 = 33$

$33 \times 4 + 4 = 136$

$136 \times 5 + 5 = 685$

S62. Ans.(d)**Sol.** Pattern of series -

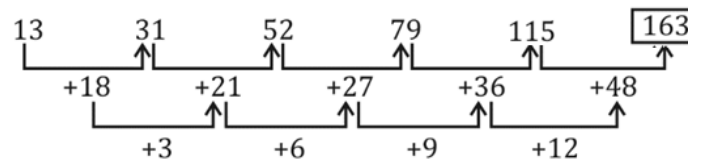
$8 \times 0.5 = 4$

$4 \times 1.5 = 6$

$6 \times 2.5 = 15$

$15 \times 3.5 = 52.5$

$52.5 \times 4.5 = 236.25$

S63. Ans.(a)**Sol.** Pattern of series -**S64. Ans.(d)****Sol.** Pattern of series -

$11^2 - 2 = 121 - 2 = 119$

$13^2 - 2 = 169 - 2 = 167$

$17^2 - 2 = 289 - 2 = 287$

$19^2 - 2 = 361 - 2 = 359$

$23^2 - 2 = 529 - 2 = 527$

$29^2 - 2 = 841 - 2 = 839$

S65. Ans.(b)**Sol.** Pattern of series -

$4 \times 2 - 1 = 7$

$7 \times 2 - 1 = 13$

$13 \times 2 - 1 = 25$

$25 \times 2 - 1 = 49$

$49 \times 2 - 1 = \boxed{97}$

S66. Ans.(c)**Sol.** Pattern of series -

$64 \times 0.5 = 32$

$32 \times 1 = 32$

$32 \times 1.5 = 48$

$48 \times 2 = 96$

$96 \times 2.5 = 240$

$? = 240 \times 3 = 720$

S67. Ans.(d)**Sol.** Pattern of series -

$5, 16, 38, 71, 115, 170, 236$

$$\begin{array}{cccccc} \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} \\ +11 & & +22 & & +33 & & +44 & & +55 & & +66 \end{array}$$

So, missing no. is 170

S68. Ans.(b)**Sol.** Pattern of series -

$? = 1 \times 3 + 2 = 5$

$5 \times 3 + 2 = 17$

$17 \times 3 + 2 = 53$

$53 \times 3 + 2 = 161$

$161 \times 3 + 2 = 485$

$485 \times 3 + 2 = 1457$

S69. Ans.(a)**Sol.** Pattern of series -

$7.1, 7.7, 8.9, 10.7, 13.1, 16.1, 19.7$

$$\begin{array}{cccccc} \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} & | & \boxed{} \\ +0.6 & & +1.2 & & +1.8 & & +2.4 & & +3.0 & & +3.6 \\ \hline +0.6 & & +0.6 & & +0.6 & & +0.6 & & +0.6 \end{array}$$

So, missing no. is 19.7

S70. Ans.(e)**Sol.** Pattern of series -

$3 + (1^2 + 1) = 5$

$5 + (2^2 + 1) = 10$

$10 + (3^2 + 1) = 20$

$20 + (4^2 + 1) = 37$

$37 + (5^2 + 1) = 63$

$? = 63 + (6^2 + 1) = 100$

S71. Ans.(a)**Sol.** Wrong number = 506

Pattern of series -

$$\begin{array}{cccccc} 12 & 28 & 60 & 124 & 252 & \boxed{508} & 1020 \\ \hline +16 & +32 & +64 & +128 & +256 & +512 \\ \hline \times 2 & \times 2 & \times 2 & \times 2 & \times 2 \end{array}$$

So, there should be 508 in the place of 506.

S72. Ans.(e)**Sol.** Wrong number = 158

Pattern of series -

$$\begin{array}{cccccc} 5 & 18 & 34 & 54 & 79 & 110 & \boxed{148} \\ \hline +13 & +16 & +20 & +25 & +31 & +38 \\ \hline +3 & +4 & +5 & +6 & +7 \end{array}$$

So, there should be 148 in the place of 158

S73. Ans.(d)**Sol.** Wrong number = 2400

Pattern of series -

$$\begin{array}{cccccc} 8 & 48 & 240 & 960 & \boxed{2880} & 5760 & 5760 \\ \hline \times 6 & \times 5 & \times 4 & \times 3 & \times 2 & \times 1 \end{array}$$

So, there should be 2880 in the place of 2400.

S74. Ans.(b)**Sol.** Wrong number = 58

Pattern of series -

$$\begin{array}{cccccc} 64 & \boxed{60} & 66 & 62 & 68 & 64 & 70 \\ \hline -4 & +6 & -4 & +6 & -4 & +6 \end{array}$$

So, there should be 60 in the place of 58.

S75. Ans.(b)**Sol.**

$$\begin{array}{cccccc} \boxed{60} & 56 & 65 & 49 & 74 & 38 & 87 \\ \hline -2^2 & +3^2 & -4^2 & +5^2 & -6^2 & +7^2 \end{array}$$

So, there should be 60 in the place of 64

S76. Ans.(a)**Sol.** Wrong number = 104

Pattern of series -

$12 + 27 = 39$

$39 + 24 = 63$

$63 + 27 = 90$

$90 + 24 = 114$

$114 + 27 = 141$

$141 + 24 = 165$

So, 114 should come in the place of 104

S77. Ans.(d)

Sol. Wrong number = 562

$$13 + 3^3 = 40$$

$$40 + 4^2 = 56$$

$$56 + 5^3 = 181$$

$$181 + 6^2 = 217$$

$$217 + 7^3 = 560$$

$$560 + 8^2 = 624$$

So, 560 should come in the place of 562.

S78. Ans.(c)

Sol. Wrong number = 134

Pattern of series -

$$112 + 16 = 128$$

$$128 - 20 = 108$$

$$108 + 24 = 132$$

$$132 - 28 = 104$$

$$104 + 32 = 136$$

$$136 - 36 = 100$$

So, should be 136 come in the place of 134.

S79. Ans.(d)

Sol. Wrong number = 255

Pattern of series -

$$120 = 11^2 - 1$$

$$145 = 12^2 + 1$$

$$168 = 13^2 - 1$$

$$197 = 14^2 + 1$$

$$224 = 15^2 - 1$$

$$16^2 + 1 = 257$$

$$288 = 17^2 - 1$$

So, should be 257 come in the place of 255.

S80. Ans.(d)

Sol. Wrong number = 920

Pattern of series -

$$5 \times 1 + 1 = 6$$

$$6 \times 2 + 2 = 14$$

$$14 \times 3 + 3 = 45$$

$$45 \times 4 + 4 = 184$$

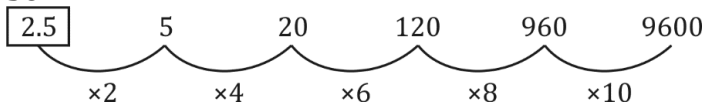
$$184 \times 5 + 5 = 925$$

$$925 \times 6 + 6 = 5556$$

So, 925 should come in the place of 920.

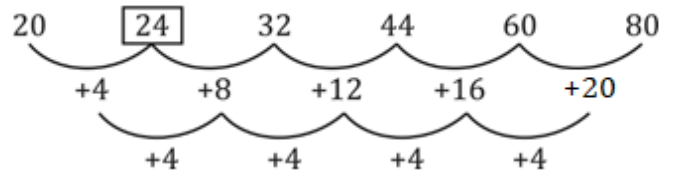
S81. Ans.(b)

Sol.



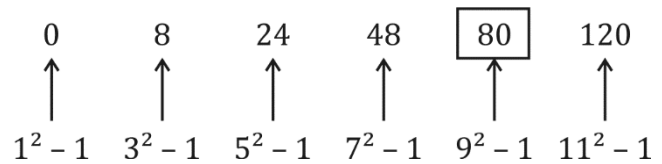
S82. Ans.(d)

Sol.



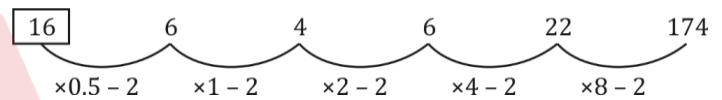
S83. Ans.(d)

Sol.



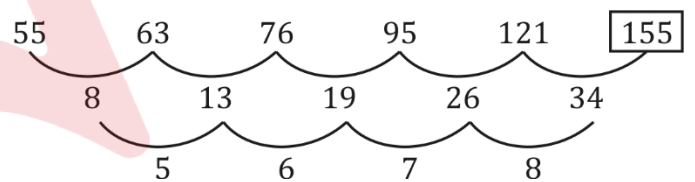
S84. Ans.(a)

Sol.



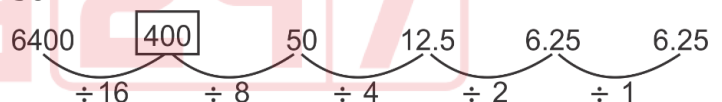
S85. Ans.(b)

Sol.



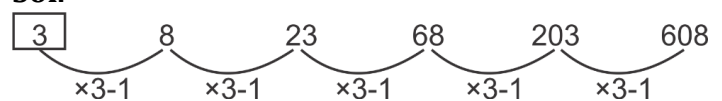
S86. Ans.(b)

Sol.



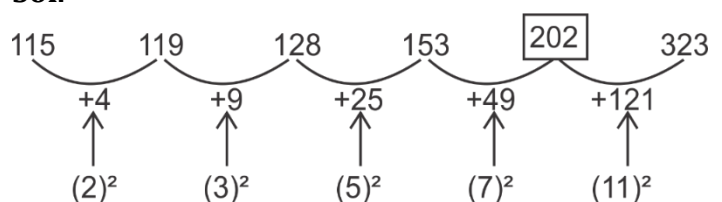
S87. Ans.(d)

Sol.



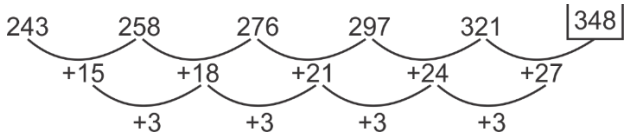
S88. Ans.(a)

Sol.



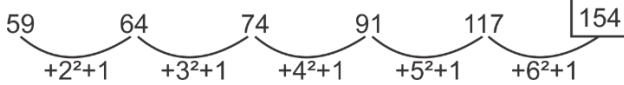
S89. Ans.(c)

Sol.



S90. Ans.(b)

Sol.



S91. Ans.(d)

Sol. Pattern of series -

$$26 + 13 = 39$$

$$39 + 11 = 50$$

$$50 + 13 = 63$$

$$? = 63 + 11 = 74$$

$$74 + 13 = 87$$

S92. Ans.(b)

Sol. Pattern of series -

$$\times 0.5 + 1, \quad \times 1 + 1, \quad \times 2 + 1, \quad \times 4 +$$

$$1, \quad \times 8 + 1$$

$$\text{So, } ? = 12 \times 0.5 + 1 = 7$$

S93. Ans.(a)

Sol. Pattern of series -

$$24 + (5^2 - 1) = 48$$

$$48 + (7^2 - 1) = 96$$

$$96 + (9^2 - 1) = 176$$

$$176 + (11^2 - 1) = 296$$

$$? = 296 + (13^2 - 1) = 464$$

S94. Ans.(b)

Sol. Pattern of series -

$$63 = (4^3 - 1)$$

$$215 = (6^3 - 1)$$

$$511 = (8^3 - 1)$$

$$? = (10^3 - 1) = 999$$

$$1727 = (12^3 - 1)$$

$$2743 = (14^3 - 1)$$

S95. Ans.(e)

Sol. Pattern of series -

$$16 \times 5 + 5 = 85$$

$$85 \times 4 + 4 = 344$$

$$344 \times 3 + 3 = 1035$$

$$1035 \times 2 + 2 = 2072$$

$$2072 \times 1 + 1 = 2073$$

S96. Ans.(b)

Sol. The pattern of the series-

$$15 + 2^3 = 23$$

$$23 + 3^2 = 32$$

$$32 + 4^3 = 96$$

$$96 + 5^2 = 121$$

$$121 + 6^3 = 337$$

S97. Ans.(b)

Sol. The pattern of the series-

$$41 \times 0.5 + 0.5 = 21$$

$$21 \times 1 + 1 = 22$$

$$22 \times 1.5 + 1.5 = 34.5$$

$$34.5 \times 2 + 2 = 71$$

$$71 \times 2.5 + 2.5 = 180$$

S98. Ans.(c)

Sol. The pattern of the series-

$$5 \times 5 = 25$$

$$25 \times 5 = 125$$

$$125 \times 5 = 625$$

$$625 \times 5 = 3125$$

$$3125 \times 5 = 15625$$

S99. Ans.(e)

Sol. The pattern of the series-

$$3 \times 1 + 2 = 5$$

$$5 \times 2 + 3 = 13$$

$$13 \times 3 + 4 = 43$$

$$43 \times 4 + 5 = 177$$

$$177 \times 5 + 6 = 891$$

S100. Ans.(c)

Sol. The pattern of the series-

$$8 + (2^2 - 2) = 10$$

$$10 + (3^2 - 2) = 17$$

$$17 + (4^2 - 2) = 31$$

$$31 + (5^2 - 2) = 54$$

$$54 + (6^2 - 2) = 84$$

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