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## “Score High with **Score-Up** PDF Series”

We **Dream Big Institution** Team have started a New Series “**Score- Up PDF**”. This will be like a one-stop solution for High Standard Practice Questions on all Topics. Here we have Given the **Quantitative Aptitude “Score-Up PDF” –Number Series**, Candidates can download it now. Kindly share this to all your friends.

### Wrong Number Series Score-Up PDF For Competitive Exams

#### **Exercise: (Basic to High Level Questions)**

**Directions (Q. 1-100):** In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

**1). 50 51 47 56 42 65 29**

- a. 51
- b. 47
- c. 56
- d. 42
- e. 65

**2). 3 9 23 99 479 2881 20159**

- a. 9
- b. 23
- c. 99
- d. 479
- e. 2881

**3). 7 4 6 9 20 52.5 160.5**



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- a. 6
- b. 4
- c. 20
- d. 9
- e. 5

**4). 1 3 6 11 20 39 70**

- a. 3
- b. 39
- c. 11
- d. 20
- e. 6

**5). 2 13 27 113 561 3369 23581**

- a. 27
- b. 13
- c. 113
- d. 561
- e. 3369

### **Answer With Explanation**

**1).** The series is  $50 + 1^2 = 51$ ,  $51 - 2^2 = 47$ ,  $47 + 3^2 = 56$ ,  $56 - 4^2 = 40$ ,  $40 + 5^2 = 65$ ,  $65 - 6^2 = 29$ .

Hence, there should be 40 in place of 42.

**Answer is: D**

**2).** The series is  $3 \times 2 + 3 = 9$ ,  $9 \times 3 - 4 = 23$ ,  $23 \times 4 + 5 = 97$ ,  $97 \times 5 - 6 = 479$ ,  $479 \times 6 + 7 = 2881$ ,  $2881 \times 7 - 8 = 20159$



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Hence, there should be 97 in place of 99.

**Answer is: C**

**3).** The series is  $x0.5 + 0.5, x1 + 1, x 1.5 + 1.5, x 2 + 2, x 2.5 + 2.5, x 3 + 3...$

Hence, there should be 5 in place of 6.

**Answer is: A**

**4).** The series is  $1 \times 2 + 1 = 3, 3 \times 2 + 0 = 6, 6 \times 2 - 1 = 11, 11 \times 2 - 2 = 20, 20 \times 2 - 3 = 37, 37 \times 2 - 4 = 70.$

Hence, there should be 37 in place of 39.

**Answer is: B**

**5).** The series is  $2 \times 2 + 7 = 11, 11 \times 3 - 6 = 27, 27 \times 4 + 5, = 113, 113 \times 5 - 4 = 561, 561 \times 6 + 3 = 3369, 3369 \times 7 - 2 = 23581.$

Hence, there should be 11 in place of 13.

**Answer is: B**

**6). 7 16 27 40 46**

- a. 7
- b. 16
- c. 27
- d. 40
- e. 46

**7). 729 1331 2497 3375 4913**

- a. 729



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- b. 1331
- c. 3375
- d. 2497
- e. 4913

**8). 80 119 166 221 223**

- a. 80
- b. 119
- c. 166
- d. 192
- e. 223

**9). 8 8.5 11.5 14 17**

- a. 8
- b. 8.5
- c. 11.5
- d. 14
- e. 17

**10). 439 778 1456 2812 5624**

- a. 439
- b. 778
- c. 1456
- d. 2812
- e. 5624

**Answer With Explanation**



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**6).** The series is  $5 \times 1 + 2 = 7$ ,  $6 \times 2 + 4 = 16$ ,  $7 \times 3 + 6 = 27$ ,  $8 \times 4 + 8 = 40$ ,  $9 \times 5 + 10 = 55$ .

Hence, there should be 55 in place of 46.

Alternate Method: +9, +11, +13, +15

**Answer is: E**

**7).** The series is  $9^3$ ,  $11^3$ ,  $13^3$ ,  $15^3$ ,  $17^3$ ,

Hence, there should be 2197 in place of 2497.

**Answer is: D**

**8).** The series is  $9^2 - 1$ ,  $11^2 - 2$ ,  $13^2 - 3$ ,  $15^2 - 4$ ,  $17^2 - 5$ ,

Hence, there should be 284 in place of 223.

**Answer is: E**

**9).** The series is  $8 + 1.5 = 9.5$ ,  $9.5 + 2 = 11.5$ ,  $11.5 + 2.5 = 14$ ,  $14 + 3 = 17$

Hence, there should be 9.5 in place of 8.5.

**Answer is B**

**10).** The series is +339, +678, +1356, +2712,

Hence, there should be 5524 in place of 5624.

**Answer is E**

**11). 17, 36, 132, 635, 3500, 21750, 153762**

a. 635

b. 17



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- c. 132
- d. 3500
- e. 36

**12). 17, 20, 46, 147, 599, 3015, 18018**

- a. 20
- b. 46
- c. 599
- d. 147
- e. 3015

**13). 90, 135, 286, 750, 2160, 6405, 19155**

- a. 90
- b. 750
- c. 6405
- d. 286
- e. 2160

**14). 9, 14, 40, 129, 536, 2705, 16260**

- a. 14
- b. 40
- c. 536
- d. 9
- e. 129

**15). 8, 18, 64, 272, 1395, 8424, 59045**

- a. 18
- b. 8





- c. 272
- d. 1395
- e. 64

### **Answer With Explanation**

**11).** The number series should be 636 in the place of 635.

The series is  $(17 + 1^3) \times 2$ ,  $(36 + 2^3) \times 3$ ,  $(132 + 3^3) \times 4$ ,  $(636 + 4^3) \times 5$

**Answer is: a)**

**12).** The number series should be 600 in the place of 599.

The series is  $\times 1 + 3$ ,  $\times 2 + 6$ ,  $\times 3 + 9$ ,  $\times 4 + 12$ ,  $\times 5 + 15$

**Answer is: c)**

**13).** The number series should be 285 in the place of 286.

The series is  $(90-45) \times 3$ ,  $(135-40) \times 3$ ,  $(285-35) \times 3$ ,  $(750-30) \times 3$ ,  $(2160-25) \times 3, \dots$

**Answer is: d)**

**14).** The number series should be 38 in the place of 40.

The series is  $\times 1 + 5$ ,  $\times 2 + 10$ ,  $\times 3 + 15$ ,  $\times 4 + 20$ ,  $\times 5 + 25$

**Answer is: b)**

**15).** The number series should be 63 in the place of 64.

The series is  $(8+1) \times 2$ ,  $(18+3) \times 3$ ,  $(63+5) \times 4$ ,  $(272+7) \times 5$

**Answer is: e)**



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**16). 32, 39, 65, 128, 253, 467, 809, 1320**

- a. 39
- b. 65
- c. 253
- d. 467
- e. 32

**17). 38, 49, 62, 72, 77, 91, 101**

- a. 49
- b. 72
- c. 77
- d. 91
- e. 38

**18). 19, 22, 32, 46, 73, 108, 158**

- a. 22
- b. 46
- c. 73
- d. 19
- e. 158

**19). 47, 44, 45, 46, 33, 57, 3, 88**

- a. 44
- b. 57
- c. 46
- d. 3





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e. 47

**20). 45, 131, 228, 338, 466, 619, 800**

a. 131

b. 466

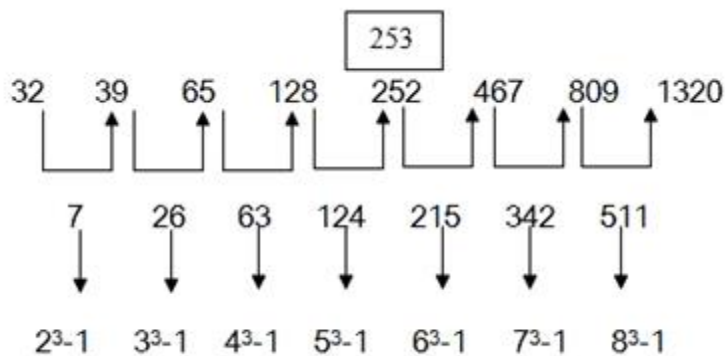
c. 619

d. 45

e. 800

**Answer With Explanation**

**16).** The series is,



Hence, 253 is a wrong number.

**Answer: C**

**17).** The series is,

$$38 = 3+8 = 11 = 38 + 11 = 49$$

$$49 = 4+9 = 13 = 49 + 13 = 62$$

$$62 = 6+2 = 8 = 62 + 8 = 70 \neq 72$$

$$70 = 7+0 = 7 = 70 + 7 = 77$$



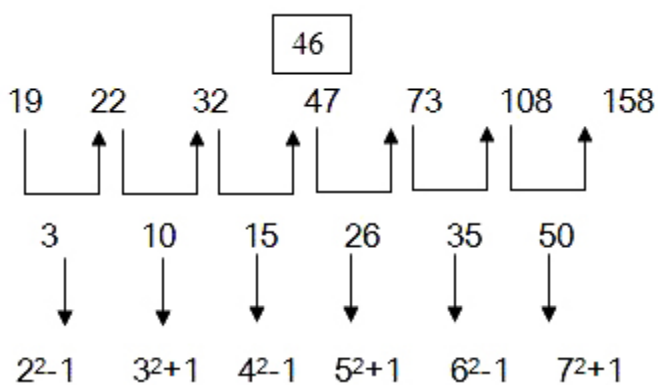
$$77 = 7+7 = 14 = 77+14 = 91$$

$$91 = 9+1 = 10 = 91+10 = 101$$

Hence, 72 is the wrong number.

**Answer: B**

**18).** The series is,



Hence, 46 is the wrong number

**Answer: B**

**19).** First series 47, 45, 33, 3

$$47 - (1 \times 2) = 45$$

$$45 - (3 \times 4) = 33$$

$$33 - (5 \times 6) = 3$$

Second series 44, 46, 57, 88

$$44 + (1 \times 2) = 46$$

$$46 + (3 \times 4) = 58 \neq 57$$



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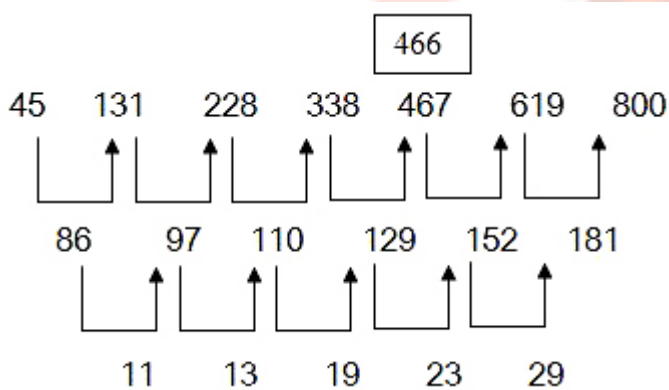
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$$58 + (5 \times 6) = 88$$

Hence, 57 is the wrong answer.

**Answer: B**

**20).** The series is,



11, 13, 19, 23 and 29 are the prime numbers

Hence, 466 is the wrong number.

**Answer: B**

**21).** 1, 8, 66, 460, 2758, 13785, 55146

- a. 460
- b. 2758
- c. 66
- d. 8
- e. 55146

**22).** 56, 57, 48, 73, 24, 105, -10

- a. 57
- b. 73



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c. 105

d. -10

e. 24

**23). 2, 2, 13, 59, 363, 2519, 20161**

a. 13

b. 20161

c. 2519

d. 59

e. 363

**24). 3, 1, 3, 0.7, 3, 0.6, 3, 0.5, 3**

a. 1

b. 7

c. 6

d. 3

e. 5

**25). 2, 6, 13, 26, 54, 100, 197**

a. 26

b. 100

c. 54

d. 197

e. 13

### **Explanation With Answer Key**

**21). 1 8 66 460 2758 13785 55146**

Here  $1 \times 9 - 1 = 8$ ;  $8 \times 8 + 2 = 66$ ;  $66 \times 7 - 3 = 459$ ;



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$$459 \times 6 + 4 = 2758; 2758 \times 5 - 5 = 13785; 13785$$

$$\times 4 + 6 = 55146$$

**Answer: a)**

**22).** 56 57 48 73 24 105 -10

Here  $56 + 1^2 = 57;$

$57 - 3^2 = 48; 48 + 5^2 = 73; 73 - 7^2 = 24;$

$24 + 9^2 = 105; 105 - 11^2 = -16$

**Answer: d)**

**23).** 2 2 13 59 363 2519 20161

Here  $2 \times 3 - 4 = 2; 2 \times 4 + 5 = 13;$

$13 \times 5 - 6 = 59; 59 \times 6 + 7 = 361;$

$361 \times 7 - 8 = 2519; 2519 \times 8 + 9 = 20161$

**Answer: e)**

**24).** 3 1 3 0.7 3 0.6 3

$3 \times 1/3 = 1;$

$1 \times 3 = 3;$

$3 \times 1/4 = 0.75;$

$0.75 \times 4 = 3;$

$3 \times 1/5 = 0.6;$

$0.6 \times 5 = 3;$



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$$3 \times 1/6 = 0.5;$$

$$0.5 \times 6 = 3.$$

**Answer: b)**

**25). 2 6 13 26 54 100 197**

$$\text{Here } 2 \times 2 + 2 = 6; 6 \times 2 + 1 = 13;$$

$$13 \times 2 + 0 = 26; 26 \times 2 - 1 = 51;$$

$$51 \times 2 - 2 = 100; 100 \times 2 - 3 = 197$$

**Answer: c)**

**26). 3, 7.5, 15, 37.5, 75, 167.5, 375**

a. 5

b. 75

c. 5

d. 15

e. 5

**27). 0, 1, 9, 36, 99, 225, 441**

a. 9

b. 36

c. 99

d. 225

e. 441

**28). 2, 3, 5, 8, 14, 23, 41, 69**





- a. 5
- b. 8
- c. 14
- d. 41
- e. 69

**29). 5, 10, 17, 27, 37, 50, 65**

- a. 10
- b. 17
- c. 37
- d. 27
- e. 50

**30). 108, 54, 36, 18, 9, 6, 4**

- a. 54
- b. 36
- c. 18
- d. 9
- e. 6

**Explanation With Answer Key**

**26).** The series is  $\times 2.5, \times 2$  alternately

**Answer: a)**

**27).** The differences are

0 1 9 36 99 225 441

$0^2$   $1^2$   $3^2$   $6^2$   $10^2$   $15^2$   $21^2$



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**Answer: c)**

**28).** The series is an alternate series, having

$S_1 = 2, 5, 14, 41; \times 3 - 1$  in each term

$S_2 = 3, 8, 23, 69; \times 3 - 1$  in each term

**Answer: e)**

**29).** The series is  $+5, +7, +9, +11, \dots$

**Answer: d)**

**30).** The series is  $\div 2, \div 1.5$  alternately.

**Answer: d)**

**31).** **4, 12, 42, 196, 1005, 6066, 42511**

a) 12

b) 42

c) 196

d) 1005

e) 6066

**32).** **7, 13, 25, 49, 97, 194, 385**

a) 13

b) 25

c) 49

d) 194



e) 385

**33). 10, 15, 24, 35, 54, 75, 100**

a) 10

b) 24

c) 35

d) 54

e) 100

**34). 2, 8, 32, 148, 765, 4626, 32431**

a) 32431

b) 765

c) 148

d) 32

e) 2

**35). 73, 57, 49, 44, 43, 42**

a) 73

b) 57

c) 49

d) 44

e) 42

**Explanation With Answer Key**



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**31). b)**

4, 12, 42, 196, 1005, 6066, 42511

$$4 \times 2 + (2)^2 = 12$$

$$12 \times 3 + (3)^2 = 45$$

$$45 \times 4 + (4)^2 = 196$$

$$196 \times 5 + (5)^2 = 1005$$

$$1005 \times 6 + (6)^2 = 6066$$

$$6066 \times 7 + (7)^2 = 42511$$

Hence, 42 is the wrong number

**32). d)**

7, 13, 25, 49, 97, 194, 385

$$7 \times 2 - 1 = 13$$

$$13 \times 2 - 1 = 25$$

$$25 \times 2 - 1 = 49$$

$$49 \times 2 - 1 = 97$$

$$97 \times 2 - 1 = 193$$

$$193 \times 2 - 1 = 385$$

Hence, 194 is the wrong number

**33). c)**

10, 15, 24, 35, 54, 75, 100



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Hence, 35 is the wrong number

**34). d)**

2, 8, 32, 148, 765, 4626, 32431

$$2 \times 2 + 2^2 = 8$$

$$3 \times 8 + 3^2 = 33$$

$$4 \times 33 + 4^2 = 148$$

$$5 \times 148 + 5^2 = 765$$

$$6 \times 765 + 6^2 = 4626$$

$$7 \times 4626 + 7^2 = 32431$$

Hence, 32 is the wrong number.

**35). d)**

73, 57, 49, 44, 43, 42

$$73 - 57 = 16$$

$$57 - 49 = 8$$

$$49 - 45 = 4$$

$$45 - 43 = 2$$

$$43 - 42 = 1$$

Differences between the consecutive numbers are in Geometric Progression (G.P)

Hence, 44 is the wrong number.



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**36). 1527, 1185, 985, 865, 823, 817**

- a) 985
- b) 865
- c) 823
- d) 817
- e) 1185

**37). 110, 106, 204, 608, 2384, 11900**

- a) 2384
- b) 106
- c) 11900
- d) 608
- e) 204

**38). 71, 90, 128, 185, 261, 365**

- a) 365
- b) 128
- c) 185
- d) 90
- e) 261

**39). 8, 17.5, 64.75, 157.375, 561.3125, 1400.78125**





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- a) 5
- b) 75
- c) 375
- d) 3125
- e) 78125

**40). 18, 36, 144, 864, 6912, 691020**

- a) 691020
- b) 144
- c) 864
- d) 6912
- e) 36

**Solution With Answer Key**

**36). A)** The series is

$$1527 - (19^2 - 19) = 1185,$$

$$1185 - (15^2 - 15) = 975,$$

$$975 - (11^2 - 11) = 865,$$

$$865 - (7^2 - 7) = 823,$$

$$823 - (3^2 - 3) = 817$$

There should be 975 in place of 985.

**37). D)** The series is  $110 \times 1 - 4 = 106,$



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$$106 \times 2 - 8 = 204, 204 \times 3 - 12 = 600, 600 \times 4 - 16 = 2384, 2384 \times 5 - 20 = 11900$$

There should be 600 in place of 608.

**38). A)** The series is

$$71 + 19 = 90, 90 + 38 = 128, 128 + 57 = 185, 185 + 76 = 261, 261 + 95 = 356$$

Hence there should be 356 in place of 365.

**39). C)** The series is

$$8 \times 2.5 - 2.5 = 17.5,$$

$$17.5 \times 3.5 + 3.5 = 64.75,$$

$$64.75 \times 2.5 - 2.5 = 159.375,$$

$$159.375 \times 3.5 + 3.5 = 561.3125,$$

$$561.3125 \times 2.5 - 2.5 = 1400.78125, \dots$$

Hence there should be 159.375 in place of 157.375.

**40). A)** The series is .

	$\times 2$	$\times 4$	$\times 6$	$\times 8$	$\times 10$
18	36	144	864	6912	69120

Hence there should be 69120 in place of 691020

**41). 76, 75, 142, 399, 1530, 7535**

a) 399

b) 142



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- c) 75
- d) 1530
- e) 7535

**42). 84, 138, 192, 270, 348, 434**

- a) 192
- b) 138
- c) 84
- d) 348
- e) 434

**43). 88, 88, 176, 530, 2112, 10560**

- a) 88
- b) 176
- c) 2112
- d) 105602
- e) 530

**44). 2400, 1295, 625, 255, 80, 15**

- a) 2400
- b) 1295
- c) 625
- d) 80



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e) 15

**45). 45, 62, 81, 102, 123, 150**

a) 45

b) 62

c) 102

d) 81

e) 123

**Solution With Answer Key**

**41). D)** The series is

$$76 \times 1 - 1^3 = 75,$$

$$75 \times 2 - 2^3 = 142,$$

$$142 \times 3 - 3^3 = 399,$$

$$399 \times 4 - 4^3 = 1532,$$

$$1532 \times 5 - 5^3 = 7535, \dots$$

Hence there should be 1532 in place of 1530.

**42). A)** The series is

$$21 \times 4 = 84,$$

$$23 \times 6 = 138,$$

$$25 \times 8 = 200,$$

$$27 \times 10 = 270,$$



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$$29 \times 12 = 348,$$

$$31 \times 14 = 434, \dots$$

Hence there should be 200 in place, of 192.

Therefore the wrong number is 192.

**43). E)** The series is

$$\begin{array}{cccccc} \times 1 & \times 2 & \times 3 & \times 4 & \times 5 & \\ \hline 88 & 88 & 176 & 528 & 2112 & 10560 \end{array}$$

Hence there should be 528 in .place of 530.

Therefore the wrong number is 530.

**44). C)** The series is  $7^4 - 1 = 2400,$

$$6^4 - 1 = 1295, 5^4 - 1 = 624, 4^4 - 1 = 255, 3^4 - 1 = 80, 2^4 - 1 = 15, \dots$$

Hence there should be 624 in place of 625.

Therefore, the wrong number is 625.

**45). E)** The series is

Hence there should be 125 in place of 123.

Therefore the wrong number is 123.

$$\begin{array}{cccccc} +17 & +19 & +21 & +23 & +25 & \\ \hline 45 & 62 & 81 & 102 & 125 & 150 \end{array}$$

**46). 127 470 686 811 875 885**

a) 470



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b) 686

c) 811

d) 885

e) 875

**47). 1296 652 328 169 88.5 48.25**

a) 328

b) 169

c) 5

d) 1296

e) 652

**48). 2 5 15 131 530 13257**

a) 5

b) 15

c) 131

d) 530

e) 13257

**49). 508 640 776 925 1092 1283**

a) 640

b) 508

c) 925





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d) 1092

e) 1283

**50). 1325 714 318 90 -18 -54**

a) 714

b) 318

c) 90

d) -18

e) 1325

**Solution With Answer Key**

**46).** The series is  $+7^3, +6^3, +5^3, +4^3, +3^3, +2^3, \dots$

The series is  $127 + 343 = 470, 470 + 216 = 686, 686 + 125 = 811, 811 + 64 = 875, 875 + 27 = \mathbf{902},$

Therefore it should be 902 in place of 885.

**Answer: d)**

**47).** The series is  $\div 2 + 4$  (repeated)

$1296 \div 2 + 4 = 652, 652 \div 2 + 4 = \mathbf{330}, 330 \div 2 + 4 = 169, 169 \div 2 + 4 = 88.5, 88.5 \div 2 + 4 = 48.75, \dots$

Therefore it should be 330 in place of 328.

**Answer: a)**

**48).** The series is  $2 \times 1^2 + 3 = 5, 5 \times 2 + 4 = \mathbf{14}, 14 \times 3^2 + 5 = 131, 131 \times 4 + 6 = 530, 530 \times 5^2 + 7 = 13257, \dots$



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Therefore it should be 14 in place of 15.

**Answer: b)**

**49).** The series is  $508 + 131 = \mathbf{639}$ ,  $639 + 137 = 776$ ,  $776 + 149 = 925$ ,  $925 + 167 = 1092$ ,  $1092 + 191 = 1283$ , ...

Hence it should be 639 in place of 640.

**Answer: a)**

**50).** The series is  $(11)^3 - 5 = \mathbf{1326}$ ,

$(9)^3 - 15 = 714$ ,  $(7)^3 - 25 = 318$ ,  $(5)^3 - 35 = 90$ ,  $(3)^3 - 45 = -18$ ,  $(1)^3 - 55 = -54$

Hence it should be 1326 in place of 1325.

**Answer: e)**

**51).**  $34/15$ ,  $76/35$ ,  $130/63$ ,  $202/99$ ,  $290/143$ ,  $394/195$

a)  $130/63$

b)  $76/35$

c)  $202/99$

d)  $290/143$

e)  $34/15$

**52).** 5930, 4900, 7056, 3969, 8281, 3136

a) 4900

b) 7056



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c) 5930

d) 8281

e) 3136

**53).** 28, 55, 83, 138, 221, 360

a) 360

b) 55

c) 138

d) 221

e) 28

**54).** 85, 88, 182, 550, 2232, 11175

a) 182

b) 88

c) 85

d) 550

e) 2232

**55).** 46, 300, 430, 494, 526, 542

a) 526

b) 300

c) 494

d) 542



e) 46

**Solution With Answer Key**

**51). B)** The series follows:

$$\text{Numerator} = 2 \times \text{Denominator} + 4$$

So,  $76/35$  should be replaced by  $(35 \times 2 + 4) / 35 = 74/35$

**52). C)** The series is  $(77)^2, (70)^2, (84)^2, (63)^2, (91)^2, (56)^2, \dots$

5929, 4900, 7056, 3969, 8281, 3136

Hence there should be 5929 in place of 5930

**53). A)** The series is

$$\begin{array}{cccccc} & +27 & +28 & +55 & +83 & +138 \\ \hline 28 & 55 & 83 & 138 & 221 & 359 \end{array}$$

Hence there should be 359 in place of 360.

**54). D)** The series is  $85 \times 1 + 3 = 88,$

$$88 \times 2 + 6 = 182, 182 \times 3 + 9 = 555, 555 \times 4 + 12 = 2232, 2232 \times 5 + 15 = 11175, \dots$$

Hence there should be 555 in place of 550.

**55). B)** Move from right to left. The series is

-16, -32, -64, -128, -256, .....

Hence there should be 302 in place of 300.



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**56). 11 12 28 93 310 1965**

- a) 12
- b) 93
- c) 1965
- d) 310
- e) 28

**57). 3 20 87 392 2025 12246**

- a) 12246
- b) 87
- c) 392
- d) 20
- e) 2025

**58).12 6.8 7.5 12.75 27.5 71.25**

- a) 5
- b) 5
- c) 75
- d) 25
- e) 8

**59). 5 33 225 1345 6724 26881**

- a) 225



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- b) 6724
- c) 26881
- d) 33
- e) 225

**60). 225 256 289 344 361 400**

- a) 225
- b) 361
- c) 344
- d) 256
- e) 400

**Solution With Answer Key**

**56). D)** The series is  $11 \times 1 + 1^2 = 12$ ,  $12 \times 2 + 2^2 = 28$ ,  $28 \times 3 + 3^2 = 93$ ,  $93 \times 4 + 4^2 = 388$ ,  $388 \times 5 + 5^2 = 1965$ , ...

There should be 388 in place of 310.

**57). A)**  $(3 + 7) \times 2 = 20$ ,  $(20 + 9) \times 3 = 87$ ,  $(87 + 11) \times 4 = 392$ ,  $(392 + 13) \times 5 = 2025$ ,  $(2025 + 15) \times 6 = 12240$ ,

Therefore, there should be 12240 in place of 12246.

**58). E)** The series is  $12 \times 0.5 + 0.5 = 6.5$ ,  $6.5 \times 1 + 1 = 7.5$ ,  $7.5 \times 1.5 + 1.5 = 12.75$ ,  $12.75 \times 2 + 2 = 27.5$ ,  $27.5 \times 2.5 + 2.5 = 71.25$ , ...

Therefore, there should be 6.5 in place of 6.8.

**59). B)** The series is  $5 \times 8 - 7 = 33$ ,  $33 \times 7 - 6 = 225$ ,  $225 \times 6 - 5 = 1345$ ,  $1345 \times 5 - 4 = 6721$ ,  $6721 \times 4 - 3 = 26881$ ,





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Therefore, there should be 6721 in place of 6724.

**60). C)** The series is  $(15)^2 = 225$ ,  $(16)^2 = 256$ ,  $(17)^2 = 289$ ,  $(18)^2 = 324$ ,  $(19)^2 = 361$ ,  $(20)^2 = 400$ ,

Therefore there should be 324 in place of 344.

**61). 11, 12, 26, 81, 320, 1645**

- a) 11
- b) 12
- c) 81
- d) 320
- e) None of these

**62). 9, 26, 65, 126, 217, 342**

- a) 9
- b) 126
- c) 26
- d) 342
- e) None of these

**63). 18, 10, 11, 17.5, 40, 91, 274**

- a) 18
- b) 11



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- c) 10
- d) 40
- e) None of these

**64). 12, 30, 99, 408, 2050, 12348**

- a) 12
- b) 30
- c) 2050
- d) 408
- e) None of these

**65). 50, 51, 47, 56, 45, 65, 29**

- a) 45
- b) 50
- c) 29
- d) 65
- e) None of these

**Solution With Answer Key**

**61).** The series is

$$11*1 + 1 = 12$$

$$12*2 + 2 = 26$$

$$26*3 + 3 = 81$$



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$$81 \times 4 + 4 = 328$$

$$328 \times 5 + 5 = 1645$$

so 320 is wrong

**Answer: d)**

**62).** Here the number follows the given rule

$$2^3 + 1, 3^3 - 1, 4^3 + 1, 5^3 - 1, 6^3 + 1, 7^3 - 1$$

so 126 is wrong number.

**Answer: d)**

**63).** Wrong Number: 40

Correct Number: 37

$$18 * 0.5 + 1 = 10$$

$$10 * 1 + 1 = 11$$

$$11 * 1.5 + 1 = 17.5$$

$$17.5 * 2 + 1 = 36$$

$$36 * 2.5 + 1 = 91$$

$$91 * 3 + 1 = 274$$

**Answer: d)**

**64).**  $(9 \times 1) + 3 = 12$

$$(12 \times 2) + 6 = 30$$

$$(30 \times 3) + 9 = 99$$



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$$(99 \times 4) + 12 = 408$$

$$(408 \times 5) + 15 = 2055$$

$$(2055 \times 6) + 18 = 12348$$

**Answer: c)**

$$65). 50 + 1^2 (1) = 51$$

$$51 - 2^2 (4) = 47$$

$$47 + 3^2 (9) = 56$$

$$56 - 4^2 (16) = 40$$

$$40 + 5^2 (25) = 65$$

$$65 - 6^2 (36) = 29$$

**Answer: a)**

**66). 190 166 145 128 112 100 91**

a) 100

b) 91

c) 128

d) 112

e) 145

**67). 20480 5120 1280 320 100 20 5**

a) 5120



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b) 320

c) 1280

d) 100

e) 5

**68). 60 67 76 87 99 115**

a) 67

b) 87

c) 76

d) 115

e) 99

**69). 7 8 18 57 228 1165 6996**

a) 228

b) 57

c) 1165

d) 8

e) 18

**70). 1 1 2 6 24 96 720**

a) 720

b) 96

c) 24



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d) 6

e) 2

**Solution With Answer Key**

**66). C)** Subtracting 24, 21, 18, 15, 12.

**67). D)** Dividing previous number by 4.

**68). E)** Go on adding 7, 9, 11, 13, 15, ...

**69). A)** The series is:

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

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

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

$$57 \times 4 + 4 = 232 \text{ not } 228$$

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

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

228 is wrong.

**70). B)** The series is:

$$1 \times 1 = 1$$

$$1 \times 2 = 2$$

$$2 \times 3 = 6$$

$$6 \times 4 = 24$$

$$24 \times 5 = 120 \text{ not } 96$$





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$$120 \times 6 = 720$$

96 is wrong

**71). 2 12 36 81 150 252**

- a. 2
- b. 81
- c. 36
- d. 150
- e. 252

**72). 5 16 27 44 65 90**

- a. 16
- b. 5
- c. 44
- d. 65
- e. 90

**73). 4 2 0 -5 -12 -21**

- a. 0
- b. 4
- c. 2
- d. -5
- e. -21

**74). 101 123 149 179 218 251**

- a. 251
- b. 123



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c. 179

d. 218

e. 101

**75). 9 21 45 101 211 433 879**

a. 21

b. 45

c. 211

d. 433

e. 101

**Solution With Answer Key**

**71).** The series is  $1^2 \times 2 = 2$ ,  $2^2 \times 3 = 12$ ,  $3^2 \times 4 = 36$ ,  $4^2 \times 5 = 80$ ,  $5^2 \times 6 = 150$ ,  $6^2 \times 7 = 252$  Hence, 81 should be replaced by 80.

**Answer: b)**

**72).** The series is  $1 \times (2 + 3) = 5$ ,  $2 \times (3 + 4) = 14$ ,  $3 \times (4 + 5) = 27$ ,  $4 \times (5 + 6) = 44$ ,  $5 \times (6 + 7) = 65$ ,  $6 \times (7 + 8) = 90$ .

Hence, 16 should be replaced by 14.

**Answer: a)**

**73).** The series is  $3^2 - 2^2 - 1^2 = 4$ ,

$$4^2 - 3^2 - 2^2 = 3,$$

$$5^2 - 4^2 - 3^2 = 0;$$

$$6^2 - 5^2 - 4^2 = -5;$$

$$7^2 - 6^2 - 5^2 = 12,$$



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$8^2 - 7^2 - 6^2 = -21$ . Hence, 2 should be replaced by 3.

**Answer: c)**

**74).** The series is  $10^2 + 1^2 + 0^2 = 101$ ,

$11^2 + 1^2 + 1^2 = 123$ ,

$12^2 + 1^2 + 2^2 = 149$ ,

$13^2 + 1^2 + 3^2 = 179$ ,

$14^2 + 1^2 + 4^2 = 213$ ,

$15^2 + 1^2 + 5^2 = 251$

Hence, 218 should be replaced by 213.

**Answer: d)**

**75).** The series is  $x^2 + 3$ ,  $x^2 + 5$ ,  $x^2 + 7$ ,  $x^2 + 9$ ,  $x^2 + 11$ ...

Hence, 45 should be replaced by 47.

**Answer: b)**

**76).** 2 11 38 197 1172 8227 65806

a. 11

b. 38

c. 197

d. 1172

e. 8227

**77).** 16 19 21 30 46 71 107



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- a. 19
- b. 21
- c. 30
- d. 46
- e. 71

**78). 7 9 16 25 41 68 107 173**

- a. 107
- b. 16
- c. 41
- d. 68
- e. 25

**79). 4 2 3.5 7.5 26.25 118.125**

- a. 125
- b. 25
- c. 5
- d. 2
- e. 5

**80). 16 4 2 1.5 1.75 1.875**

- a. 875
- b. 75
- c. 5
- d. 2
- e. 4

**Solution With Answer Key**



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**76).** The series is based on the following pattern:

$$11 = 2 \times 3 + 5$$

$$38 = 11 \times 4 - 6$$

$$197 = 38 \times 5 + 7$$

$$1172 \neq 197 \times 6 - 8$$

1172 is wrong and it should be replaced by  $197 \times 6 - 8 = 1174$

**Answer: d)**

**77).** The series is based on the following pattern:

$$107 - 71 = 36 = 6^2$$

$$71 - 46 = 25 = 5^2$$

$$46 - 30 = 16 = 4^2$$

$$30 - 21 = 9 = 3^2$$

$$21 - 19 = 2 \neq 2^2$$

19 I should be replaced by 17 for which  $21 - 17 = 2^2$

**Answer: a)**

**78).** The series is based on the following pattern:

$$16 = 9 + 7$$

$$25 = 16 + 9$$

$$41 = 25 + 16$$

$$68 \neq 41 + 25$$



**Answer: d)**

**79).** The series is based on the following pattern:

Obviously, 3.5 is the wrong number which should be replaced by 3.

**Answer: c)**

**80).** The series is based on the following pattern:

Obviously, 1.75 is the wrong number which should be replaced by 1.5.

**Answer: b)**

**81).** 7 4 6 9 20 52.5 160.5

- a. 6
- b. 4
- c. 20
- d. 9
- e. 5

**82).** 4 6 12 30 75 315 1260

- a. 315
- b. 75
- c. 12
- d. 6
- e. 30

**83).** 3 4 13 38 87 166 289

- a. 38





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- b. 13
- c. 87
- d. 166
- e. 4

**84). 4 5 9 29 111 556 3335**

- a. 5
- b. 9
- c. 29
- d. 111
- e. 556

**85). 2 6 16 38 84 176 368**

- a. 6
- b. 16
- c. 38
- d. 84
- e. 176

**Solution With Answer Key**

**81). A)**  $\times 1/2 + 1/2, \times 1 + 1, \times 1(1/2) + 1(1/2) \dots$

**82). B)**  $\times 1(1/2), \times 2, \times 2(1/2), \dots$

**83). D)**  $+1^2, +3^2, +5^2, \dots$

**84). C)**  $\times 1 + 1, \times 2 - 1, \times 3 + 1, \times 4 - 1 \dots$

**85). E)**  $\times 2 + 2, \times 2 + 4, \times 2 + 6, \dots$



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**86). 2 3 6 18 109 1944 209952**

- a. 3
- b. 6
- c. 18
- d. 109
- e. 1944

**87). 1 3 6 11 20 39 70**

- a. 3
- b. 39
- c. 11
- d. 20
- e. 6

**88). 2 13 27 113 561 3369 23581**

- a. 13
- b. 27
- c. 113
- d. 561
- e. 3369

**89). 50 51 47 56 42 65 29**

- a. 51
- b. 47
- c. 56
- d. 42
- e. 65



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**90). 3 9 23 99 479 2881 20159**

- a. 9
- b. 23
- c. 99
- d. 479
- e. 2881

**Solutions**

**86).D)**  $2 \times 3 = 6$ ;  $3 \times 6 = 18$ ;  $6 \times 18 = \mathbf{108}$ ;  $18 \times 108 = 1944 \dots$

**87).B)**  $1 \times 2 + 1 = 3$ ;  $3 \times 2 + 0 = 6$ ;  $6 \times 2 - 1 = 11$ ;  $11 \times 2 - 2 = 20$ ;  $20 \times 2 - 3 = 37 \dots$

**88).A)**  $2 \times 2 + 7 = 11$ ;  $11 \times 3 - 6 = 27$ ;  $27 \times 4 + 5 = 113$ ;  $113 \times 5 - 4 = 561 \dots$

**89).D)**  $50 + 1^2 = 51$ ;  $51 - 2^2 = 47$ ;  $47 + 3^2 = 56$ ;  $56 - 4^2 = 40$ ; ...

**90).C)**  $3 \times 2 + 3 = 9$  ;  $9 \times 3 - 4 = 23$ ;  $23 \times 4 + 5 = 97$ ;  $97 \times 5 - 6 = 479 \dots$

**91). 22, 37, 52, 67, 84, 97**

- a. 52
- b. 84
- c. 97
- d. 67
- e. None of these

**92). 11, 42, 39, 164, 525, 421, 749**

- a. 164
- b. 421
- c. 525
- d. 749



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e. None of these

**93). 10, 41, 94, 1624, 2516, 3625, 4936**

a. 1624

b. 2516

c. 3625

d. 4936

e. None of these

**94). 4, 7, 13, 25, 49, 97, 153**

1. 25

2. 49

3. 97

4. 153

5. None of these

**95). 1 3 10 36 152 760 4632**

a. 3

b. 36

c. 4632

d. 760

e. None of these

### **Solutions With Answer Key**

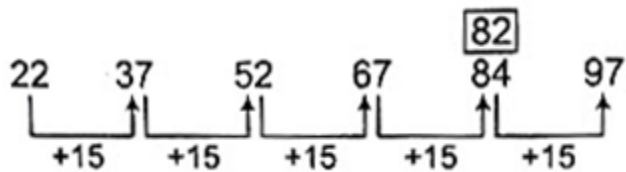
**91).** The pattern is as follows



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So, 84 is the incorrect term, it should be 82.

**Answer: b)**

**92).** In rest of the numbers, one digit is the square of the rest part of the number.

**Answer: b)**

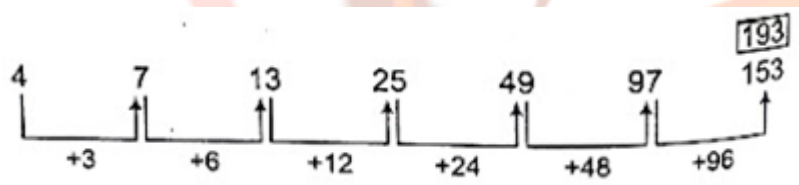
**93).** The pattern is as follows

$$10 = (1)^2 (0)^2, \quad 41 = (2)^2 (1)^2, \quad 94 = (3)^2 (2)^2, \quad 2516 = (5)^2 (4)^2, \quad 3625 = (6)^2 (5)^2$$

$$4936 = (7)^2 (6)^2, \quad \text{but in } 1624 \text{ it is not so.}$$

**Answer: d)**

**94).** The pattern is as follows



So, 153 is the wrong term in the series

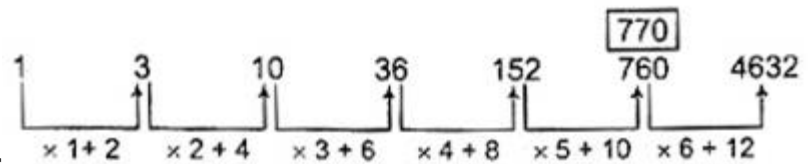
**Answer: d)**



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**95).** The pattern is as follows

From above, we can say that 760 is wrong in the given series. 770 should come in place of 760.

**96).** 729 1331 2497 3375 4913

- a. 729
- b. 1331
- c. 3375
- d. 2497
- e. 4913

**97).** 8 8.5 11.5 14 17

- a. 8
- b. 5
- c. 5
- d. 14
- e. 17

**98).** 7 16 27 40 46

- a. 7
- b. 16
- c. 27
- d. 40





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e. 46

**99). 439 778 1456 2812 5624**

a. 439

b. 778

c. 1456

d. 2812

e. 5624

**100). 80 119 166 221 223**

a. 80

b. 119

c. 166

d. 192

e. 223

### **Solutions With Answer Key**

**96).** The series is  $9^3, 11^3, 13^3, 15^3, 17^3, \dots$

Hence, there should be 2197 in place of 2497.

**Answer: d)**

**97).** The series is  $8 + 1.5 = 9.5, 9.5 + 2$

$= 11.5, 11.5 + 2.5 = 14, 14 + 3 = 17$

Hence, there should be 9.5 in place of 8.5.

**Answer: b)**

**98).** The series is  $5 \times 1 + 2 = 7, 6 \times 2 + 4 =$



$16, 7 \times 3 + 6 = 27, 8 \times 4 + 8 = 40, 9 \times 5 + 10$

$= 55$ . Hence, there should be 55 in place of 46.

Alternate Method: +9, +11, +13, +15 ...

**Answer: e)**

**99).** The series is +339, +678, +1356, +2712, ...

Hence, there should be 5524 in place of 5624.

**Answer: e)**

**100).** The series is  $9^2 - 1, 11^2 - 2, 13^2 - 3, 15^2 - 4, 17^2 - 5, \dots$

Hence, there should be 284 in place of 223.

**Answer: e)**