
Bipin Nambiar
(SBI PO 2018)
Shiraz Khan
(SBI Clerk 2018)
Kuldeep Yadav
(SBI PO 2018)
Rajat Saxena
(IBPS Clerk 2018)
Anupam Tyagi
(IBPS PO 2018)
FRIENDS!
WE USED TESTZONE
AND CRACKED BANK EXAMS
बैंक परीक्षाओ के लिए निश्चित
रूप से सर्वश्रेष्ट मॉक
टेस्ट सीरीज
IT'S YOUR TURN NOW
TAKE A FREE MOCK TEST
Smartkeeda
The Question Bank

Number series Questions for IBPS PO Pre, SBI PO Pre, IBPS RRB Scale I Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Direction: Find the wrong term in the given series.

1). 499 491 464 400 275 59

A. 499 B. 491 C. 464 D. 400

E. All terms are correct

2). 7 27 93 301 915 2775 8361

A. 93 B. 301 C. 915 D. 2775

E. All terms are correct

3). 201 196 181 146 121 76 21

A. 201 B. 196 C. 181 D. 146

E. All terms are correct

4). 8 37 229 1841 18421 231065

A. 8 B. 18421 C. 231065 D. 229

E. All terms are correct

5). 0 10 34 82 148 250

A. 148 B. 34 C. 0 D. 82

E. All terms are correct

6). 1 0 6 – 3 40 100

A. 0 B. 6 C. – 3 D. 40 E. 100

7). 144 361 703 1215 1944 2944

A. 361 B. 703 C. 1215 D. 1944 E. 2944

8). 24 32 42 56 78 104

A. 24 B. 42 C. 32 D. 78 E. 56

9). 40 37 45 30 54 20

A. 37 B. 45 C. 30 D. 54 E. 20

10). 86 87 92 98 106

A. 87 B. 86 C. 92 D. 98 E. 106

11). 625 663 755 745 863 835

A. 663 B. 755 C. 745 D. 863 E. 835

12). 2 4 10 34 152 874

A. 874 B. 152 C. 34 D. 10 E. 4

13). 40 45 135 442.5 1285 3837.5

A. 135 B. 45 C. 442.5 D. 1285 E. 3837.5

14). 2 11 32 71 134 229

A. 71 B. 134 C. 229 D. 11 E. 32

15). 732 744 758 780 795 816

A. 744 B. 758 C. 780 D. 795 E. 816

16). 7 14 32 60 132 186

A. 32 B. 14 C. 186 D. 132 E. 60

17). 19 32 48 71 99 134

A. 48 B. 19 C. 99 D. 134 E. 71

18). – 4 16 – 12 32 – 20 96

A. 16 B. – 12 C. 32 D. – 20 E. 96

19). 3 14 39 80 155 258

A. 258 B. 39 C. 80 D. 155 E. 14

20). 6 12 24 42 66 95

A. 12 B. 24 C. 42 D. 66 E. 95

21). 121 145 171 199 229 264

A. 264 B. 145 C. 171 D. 199 E. 229

22). 60 90 180 450 1360 4725

A. 1360 B. 4725 C. 450 D. 180 E. 90

23). 1 6 19 40 69 107

A. 19 B. 40 C. 69 D. 6 E. 107

24). 5 10 30 150 600 3600

A. 30 B. 3600 C. 150 D. 600 E. 30

25). 25 55 115 235 480 955

A. 55 B. 115 C. 955 D. 235 E. 480

26). 1 122 291 516 806 1166

A. 806 B. 1166 C. 516 D. 291 E. 122

27). 225 236 260 301 355 430

A. 236 B. 355 C. 301 D. 260 E. 430

28). 26 58 127 264 625 1016

A. 625 B. 127 C. 58 D. 264 E. 1016

29). 110 166 136 240 170 333

A. 166 B. 136 C. 240 D. 333 E. 170

30). 25 37.5 62.5 100 162.5 212.5

A. 37.5 B. 162.5 C. 62.5 D. 100 E. 212.5

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

31). 7 6 3 – 6 ? – 114

A. 33 B. – 33 C. 3 D. – 3 E. None of these

32). 6 42 164 450 1002 ?

A. 1908 B. 1928 C. 1946 D. 1936 E. None of these

33). 7 4 5 9 ? 52.5

A. 20 B. 18 C. 29.5 D. 21 E. None of these

34). 8 14 23 36.5 ? 87.125

A. 54.75 B. 49.75 C. 87.75 D. 56.75 E. None of these

35). 3 7 15 31 ? 127

A. 93 B. 94 C. 63 D. 53 E. None of these

36). 2 36 150 392 810 ? 2366

A. 3375 B. 1728 C. 1296 D. 1452 E. None of these

37). 88 115 144 175 208 ?

A. 271 B. 292 C. 234 D. 243 E. None of these

38). 448 294 180 100 48 18 ?

A. 6 B. 4 C. 8 D. 12 E. None of these

39). 7 43 165 451 987 ?

A. 1867 B. 1947 C. 1744 D. 1648 E. None of these

40). 2 14 42 92 170 ?

A. 390 B. 285 C. 288 D. 385 E. None of these

41). 5 20 320 1280 20480 ?

A. 71960 B. 42480 C. 32340 D. 81920 E. None of these

42). 19 27 43 ? 139 267

A. 90 B. 85 C. 65 D. 70 E. None of these

43). 10 16 34 70 130 ?

A. 116 B. 220 C. 312 D. 224 E. None of these

44). 135135 12285 1365 195 ? 13

A. 13 B. 26 C. 39 D. 52 E. None of these

45). 9 13 20 36 79 ?

A. 195 B. 210 C. 203 D. 205 E. None of these

46). 7 14 28 49 77 ?

A. 119 B. 84 C. 96 D. 112 E. None of these

47). 9 6 19 14 39 ?

A. 36 B. 30 C. 40 D. 44 E. None of these

48). 12 38 90 194 402 ?

A. 824 B. 828 C. 818 D. 614 E. None of these

49). 18 16 29 83 327 ?

A. 1629 B. 1734 C. 1824 D. 2024 E. None of these

50). 8 16 36 74 136 228 ?

A. 576 B. 356 C. 354 D. 382 E. None of these

Correct Answers:

1	2	3	4	5	6	7	8	9	10
E	B	D	C	D	E	A	D	E	A
11	12	13	14	15	16	17	18	19	20
D	B	A	C	B	D	A	C	A	E
21	22	23	24	25	26	27	28	29	30
A	A	E	C	E	A	C	A	D	B
31	32	33	34	35	36	37	38	39	40
B	D	E	B	D	B	C	C	E	B
41	42	43	44	45	46	47	48	49	50
D	E	B	C	C	D	B	C	A	B

Explanations:

1).

Series Pattern	Given Series	
499	499	✓
$499 - (2^3) = 491$	491	✓
$491 - (3^3) = 464$	464	✓
$464 - (4^3) = 400$	400	✓
$400 - (5^3) = 275$	275	✓
$275 - (6^3) = 59$	59	✓

Hence, option E is correct.

2.

Series Pattern	Given Series	
7	7	✓
$7 \times 3 + 6 = 27$	27	✓
$27 \times 3 + 12 = 93$	93	✓
$93 \times 3 + 18 =$ **297**	**301**	✗
$297 \times 3 + 24 = 915$	915	✓
$915 \times 3 + 30 = 2775$	2775	✓
$2775 \times 3 + 36 = 8361$	8361	✓

Hence, there should be 297 in place of 301.

Hence, option B is correct.

---

3).

Series Pattern	Given Series	
201	201	✓
$201 - (5\times1) = 196$	196	✓
$196 - (5\times3) = 181$	181	✓
$181 - (5\times5) =$ **156**	146	✗
$156 - (5\times7) = 121$	121	✓
$121 - (5\times9) = 76$	76	✓
$76 - (5\times11) = 21$	21	✓

Hence there should be 156 in place of 146.

Hence, option D is correct.

4).

Series Pattern	Given Series	
8	8	✓
$8 \times 4 + 5 = 37$	37	✓
$37 \times 6 + 7 = 229$	229	✓
$229 \times 8 + 9 = 1841$	1841	✓
$1841 \times 10 + 11 = 18421$	18421	✓
$18421 \times 12 + 13 =$ **221065**	**231065**	✗

Hence, there must be 221065 in place of 231065.

Hence, option C is correct.

---

5).

Series Pattern	Given Series	
$1^2 \times 2 - 2 = 0$	0	✓
$2^2 \times 3 - 2 = 10$	10	✓
$3^2 \times 4 - 2 = 34$	34	✓
$4^2 \times 5 - 2 = 78$	**82**	✗
$5^2 \times 6 - 2 = 148$	148	✓
$6^2 \times 7 - 2 = 250$	250	✓

Hence, there must be 78 in place of 82.

Hence, option D is correct.

---

6).

Series Pattern	Given Series	
$0! + \mathbf{0^2} = \mathbf{1 + 0}$	1	✓
$1! + \mathbf{1^2} = 1 - 1$	0	✓
$2! + \mathbf{2^2} = 2 + 4$	6	✓
$3! - \mathbf{3^2} = 6 - 9$	– 3	✓
$4! + \mathbf{4^2} = 24 + 16$	40	✓
$5! - \mathbf{5^2} = 120 - 25 = 95$	**100**	✗

Therefore, It should be 95 in place of 100.

Hence, option E is correct.

7.

Series Pattern	Given Series	
19 **+ 5^3** = 19 + 125	144	✓
144 **+ 6^3** = 144 + 216 **= 360**	**361**	✗
360 **+ 7^3** = 360 + 343	703	✓
703 **+ 8^3** = 703 + 512	1215	✓
1215 **+ 9^3** = 1215 + 729	1944	✓
1944 **+ 10^3** = 1944 + 1000	2944	✓

Therefore, It should be 360 in place of 361.

Hence, option A is correct.

8.

Series Pattern	Given Series	
24	24	✓
24 + 8	32	✓
32 + 10	42	✓
42 + 14	56	✓
56 + 20 **= 76**	**78**	✗
76 + 28	104	✓

Therefore, It should be 76 in place of 78.

Hence, option D is correct.

9.

Series Pattern	Given Series	
40	40	✓
40 – (1 × 3)	37	✓
37 + (2 × 4)	45	✓
45 – (3 × 5)	30	✓
30 + (4 × 6)	54	✓
54 – (5 × 7) **= 19**	**20**	✗

Therefore, It should be 19 in place of 20.

Hence, option E is correct.

10.

Series Pattern	Given Series	
86 + 2 × 0	86	✓
86 + 2 × 1 **= 88**	**87**	✗
88 + 2 × 2	92	✓
92 + 2 × 3	98	✓
98 + 2 × 4	106	✓

Therefore, It should be 88 in place of 87.

Hence, option A is correct.

11).

Series Pattern	Given Series	
$25^2 = 625$	625	✓
$26^2 - 13 = 663$	663	✓
$27^2 + 26 = 755$	755	✓
$28^2 - 39 = 745$	745	✓
$29^2 + 52 = 893$	**863**	✗
$30^2 - 65 = 835$	835	✓

Hence, option (D) is correct.

12.

Series Pattern	Given Series	
1 + 1 = 2	2	✓
2 + 1 × 2 = 4	4	✓
4 × 1 × 2 × 3 = 10	10	✓
10 × 1 × 2 × 3 × 4 = 34	34	✓
34 + 1 × 2 × 3 × 4 × 5 = 154	**152**	✗
154 + 1 × 2 × 3 × 4 × 5 × 6 = 874	874	✓

Hence, option (B) is correct.

13).

Series Pattern	Given Series	
40	40	✓
$40 \times 0.5 + 5^2 = 45$	45	✓
$45 \times 1 + 10^2 = 145$	**135**	✗
$145 \times 1.5 + 15^2 = 442.5$	442.5	✓
$442.5 \times 2 + 20^2 = 1285$	1285	✓
$1285 \times 2.5 + 25^2 = 3837.5$	3837.5	✓

Hence, option (A) is correct.

14).

Series Pattern	Given Series	
$1^3 + 1 = 2$	2	✓
$2^3 + 3 = 11$	11	✓
$3^3 + 5 = 32$	32	✓
$4^3 + 7 = 71$	71	✓
$5^3 + 9 = 134$	134	✓
$6^3 + 11 = 227$	**229**	✗

Hence, option (C) is correct.

15).

Series Pattern	Given Series	
732	732	✓
732 + (7 + 3 + 2) = 744	744	✓
744 + (7 + 4 + 4) = 759	**758**	✗
759 + (7 + 5 + 9) = 780	780	✓
780 + (7 + 8 + 0) = 795	795	✓
795 + (7 + 9 + 5) = 816	816	✓

Hence, option (B) is correct.

16).

Series Pattern	Given Series	
$2^2 + 3 = 7$	7	✓
$3^2 + 5 = 14$	14	✓
$5^2 + 7 = 32$	32	✓
$7^2 + 11 = 60$	60	✓
$11^2 + 13 = 134$	**132**	✗
$13^2 + 17 = 186$	186	✓

Hence, option (D) is correct.

17.

Series Pattern	Given Series	
19	19	✓
19 + 13 = 32	32	✓
32 + 17 = 49	**48**	✗
49 + 22 = 71	71	✓
71 + 28 = 99	99	✓
99 + 35 = 134	134	✓

Hence, option (A) is correct.

18.

Series Pattern	Given Series	
$1^2 - (1 \times 5) = -4$	-4	✓
$2^2 + (2 \times 6) = 16$	16	✓
$3^2 - (3 \times 7) = -12$	-12	✓
$4^2 + (4 \times 8) = 48$	**32**	✗
$5^2 - (5 \times 9) = -20$	-20	✓
$6^2 + (6 \times 10) = 96$	96	✓

Hence, option (C) is correct.

19.

Series Pattern	Given Series	
$1^3 + 1 \times 2 = 3$	3	✓
$2^3 + 2 \times 3 = 14$	14	✓
$3^3 + 3 \times 4 = 39$	39	✓
$4^3 + 4 \times 5 = 84$	**80**	✗
$5^3 + 5 \times 6 = 155$	155	✓
$6^3 + 6 \times 7 = 258$	258	✓

Hence, option (A) is correct.

20.

Series Pattern	Given Series	
6	6	✓
$6 + 5 \times 1 + 1 = 12$	12	✓
$12 + 5 \times 2 + 2 = 24$	24	✓
$24 + 5 \times 3 + 3 = 42$	42	✓
$42 + 5 \times 4 + 4 = 66$	66	✓
$66 + 5 \times 5 + 5 = 96$	**95**	✗

Hence, option (E) is correct.

21).

Series Pattern	Given Series	
$11^2 + 0 = 121$	121	✓
$12^2 + 1 = 145$	145	✓
$13^2 + 2 = 171$	171	✓
$14^2 + 3 = 199$	199	✓
$15^2 + 4 = 229$	229	✓
$16^2 + 5 = 261$	**264**	✗

Therefore, there must be 261 in place 264.

Hence, option (A) is correct.

22.

Series Pattern	Given Series

60	60	✓
60 + 60 × 0.5 = 90	90	✓
90 + 90 × 1 = 180	180	✓
180 + 180 × 1.5 = 450	450	✓
450 + 450 × 2 = 1350	**1360**	✗
1350 + 1350 × 2.5 = 4725	4725	✓

Hence, option (A) is correct.

23.

Series Pattern	Given Series	
$1 + 0^2 = 1$	1	✓
$2 + 2^2 = 6$	6	✓
$3 + 4^2 = 19$	19	✓
$4 + 6^2 = 40$	40	✓
$5 + 8^2 = 69$	69	✓
$6 + 10^2 = 106$	**107**	✗

Hence, option (E) is correct.

24).

Series Pattern	Given Series	
5 × 1 = 5	5	✓
5 × 2 = 10	10	✓
10 × 3 = 30	30	✓
30 × 4 = 120	**150**	✗
120 × 5 = 600	600	✓
600 × 6 = 3600	3600	✓

Hence, option (C) is correct.

25).

Series Pattern	Given Series

10 + 15 = 25	25	✓
25 + 30 = 55	55	✓
55 + 60 = 115	115	✓
115 + 120 = 235	235	✓
235 + 240 = 475	**480**	✗
475 + 480 = 955	955	✓

Hence, option (E) is correct.

26).

Series Pattern	Given Series	
1	1	✓
$1 + 11^2 = 122$	122	✓
$122 + 13^2 = 291$	291	✓
$291 + 15^2 = 516$	516	✓
$516 + 17^2 = 805$	**806**	✗
$805 + 19^2 = 1166$	1166	✓

Hence, option (A) is correct.

27.

Series Pattern	Given Series	
225	225	✓
225 + 11 = 236	236	✓
236 + 11 + 13 = 260	260	✓
260 + 11 + 13 + 15 = 299	**301**	✗
299 + 11 + 13 + 15 + 17 = 355	355	✓
355 + 11 + 13 + 15 + 17 + 19 = 430	430	✓

Hence, option (C) is correct.

28.

Series Pattern	Given Series

$1^3 + 25 = 26$	26	✓
$2^3 + 50 = 58$	58	✓
$3^3 + 100 = 127$	127	✓
$4^3 + 200 = 264$	264	✓
$5^3 + 400 = 525$	**625**	✗
$6^3 + 800 = 1016$	1016	✓

Hence, option (A) is correct.

29.

Series Pattern	Given Series	
$11^2 - 11 = 110$	110	✓
$12^2 + 22 = 166$	166	✓
$13^2 - 33 = 136$	136	✓
$14^2 + 44 = 240$	240	✓
$15^2 - 55 = 170$	170	✓
$16^2 + 66 = 322$	**333**	✗

Hence, option (D) is correct.

30.

Series Pattern	Given Series	
25	25	✓
$25 + 25 \times 0.5 = 37.5$	37.5	✓
$37.5 + 25 \times 1 = 62.5$	62.5	✓
$62.5 + 25 \times 1.5 = 100$	100	✓
$100 + 25 \times 2 = 150$	**162.5**	✗
$150 + 25 \times 2.5 = 212.5$	212.5	✓

Hence, option (B) is correct.

31).

Series I : 15 22 40 75 133 **?**

Series II :	+7	+18	+35	+58	**?**
Series III :	+11	+17	+23	**?**	
Series IV :	+6	+6	+6		
	0	0			

Clearly, the pattern of series III is that '6' is added to get the next number. So, the missing term in series III is (23 + 6) = 29; ∴ missing term in series II is (58 + 29) = 87; ∴ missing term in series I is (87 + 133) = 220. Finally the series will become as follows:

Series I :	15	22	40	75	133	**220**
Series II :	+7	+18	+35	+58	**+87**	
Series III :	+11	+17	+23	**+29**		
Series IV :	+6	+6	+6			
	0	0				

Hence, option B is correct.

32.

Series Pattern	Given Series	
24	24	
24 + **7** (=7×1) = 31	31	
31 **+ 21** (=7×3) = 52	52	
52 **+ 35** (=7×5) = 87	87	
87 **+ 49** (=7×7) = 136	136	
136 **+ 63** (=7×9) = **199**	**199**	✓

Hence, the option D is correct.

33).

Series Pattern	Given Series	
15	15	
15 **× 1 + 1** = 16	16	
16 **× 2 – 1** = 31	31	
31 **× 3 + 1 =** 94	94	
94 **× 4 – 1** = 375	375	
375 **× 5 + 1 =** 1876	1876	
1876 **× 6 – 1 =** 11255	**11255**	✓

Hence, the option E is correct.

34).

Series Pattern	Given Series	
15	15	
$15 \times \frac{1}{2} + \frac{1}{2} = 8$	8	
$8 \times 1 + 1 = 9$	9	
$9 \times \frac{3}{2} + \frac{3}{2} = 15$	15	✓
$15 \times 2 + 2 = 32$	32	
$32 \times \frac{5}{2} + \frac{5}{2} = 82.5$	82.5	
$82.5 \times 3 + 3 = 250.5$	250.5	

Hence, the option B is correct.

35).

Series Pattern	Given Series	
1	1	
$1 \times 4 + 5$	9	
$9 \times 6 + 7$	61	
$61 \times 8 + 9$	497	
$497 \times 10 + 11$	4981	
$4981 \times 12 + 13$	**59785**	✓

Hence, option D is correct.

36).

Series Pattern	Given Series	
2	2	
$2 \times 2 + 1^3$	5	
$5 \times 3 + 2^3$	23	
$23 \times 4 + 3^3$	119	
$119 \times 5 + 4^3$	**659**	✓
$320 \times 6 + 5^3$	4079	

Hence, option B is correct.

37.

Series Pattern	Given Series	
3	3	
3 × 1 +1	4	
4 × 3 + 2	14	
14 × 5 + 3	73	
73 × 7 + 4	515	
515 × 9 + 5	**4640**	✓

Hence, option C is correct.

38.

Series Pattern	Series	
9	9	
9 × 2 + 2	20	
20 × 2 – 4	36	
36 × 2 + 6	78	
78 × 2 – 8	148	
148 × 2 + 10	306	
306 × 2 – 12	**600**	✓

Hence, option C is correct.

39.

Series Pattern	Given Series	
11043	11043	
11043 + 13	11056	
11056 – 11	11045	
11045 + 9	11054	
11054 – 7	11047	
11047 + 5	**11052**	✓

Hence, option E is correct.

40.

Series Pattern	Given Series	
256	256	
256 × 0.5	128	
128 × 1.5	192	
192 × 2.5	480	
480 × 3.5	**1680**	✓
1680 × 4.5	7560	

Hence, option B is correct.

41).

Series Pattern	Given Series	
5	5	
5 × 4	20	
20 × 16	320	
320 × 4	1280	
1280 × 16	20480	
20480 × 4	**81920**	✓

Hence, option D is correct.

42.

Series Pattern	Given Series	
19	19	
19 × 2 – 11	27	
27 × 2 – 11	43	
43 × 2 – 11	**75**	✓
75 × 2 – 11	139	
139 × 2 – 11	267	

Hence, option E is correct.

43).

Series Pattern	Given Series	
$9 + 1^3$	10	
$8 + 2^3$	16	
$7 + 3^3$	34	
$6 + 4^3$	70	
$5 + 5^3$	130	
$4 + 6^3$	**220**	✓

Hence, option B is correct.

44).

Series Pattern	Given Series	
135135	135135	
135135 ÷ 11	12285	
12285 ÷ 9	1365	
1365 ÷ 7	195	
195 ÷ 5	**39**	✓
39 ÷ 3	13	

Hence, option C is correct.

45).

Series I :9 13 20 36 79 **?**
Series II : 4 7 16 43 **?**
Series III: 3 9 27 **?**
Series IV: ×3 ×3 ×3

Clearly, the pattern in series IV is multiples of 3.

So, the missing term in series III = 27 × 3 = 81

∴ missing term in series II = 43 + 81 = 124;

∴ missing term in series I = 79 + 124 = 203.

Series I :9 13 20 36 79 **203**
Series II : 4 7 16 43 **124**
Series III: 3 9 27 **81**
Series IV: ×3 ×3 ×3

Hence, option C is correct.

46).

Series Pattern	Given Series	
7	7	
7 × 2	14	
7 × (2 + 2)	28	
7 × (4 + 3)	49	
7 × (7 + 4)	77	
7 × (11 + 5)	**112**	✓

Hence, option D is correct.

47. Pattern of this series starts from 3rd number, as you can see below,
3^{rd} number = 1st number × 2 + 1
Similarly, fourth term = 2nd term × 2 + 2

Series Pattern	Given Series	
4 × 2 + 1	9	
2 × 2 + 2	6	
9 × 2 + 1	19	
6 × 2 + 2	14	
19 × 2 + 1	39	
14 × 2 + 2	**30**	✓

Hence, option B is correct.

48.

Series Pattern	Given Series
12	12
(12 + 7) × 2	38
(38 + 7) × 2	90
(90 + 7) × 2	194
(194 + 7) × 2	402
(402 + 7) × 2	**818** ✓

Hence, option C is correct.

49.

Series Pattern	Given Series
18	18
18 × 1 – 2	16
16 × 2 – 3	29
29 × 3 – 4	83
83 × 4 – 5	327
327 × 5 – 6	**1629** ✓

Hence, option A is correct.

50.

Series Pattern	Series
$7 + 1^3$	8
$8 + 2^3$	16
$9 + 3^3$	36
$10 + 4^3$	74
$11 + 5^3$	136
$12 + 6^3$	228
$13 + 7^3$	**356** ✓

Hence, option B is correct.