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Number series Questions for IBPS Clerk Pre, SBI Clerk Pre and RRB Asst. Pre Exams.

Number series Quiz 21

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

1. 12, 7, 12.5, 34.25, 123.875, ?

- A. 652.5325 B. 582.4325 C. 562.4375 D. 462.4325 E. None of these

2. 10, 11, 12, 14, 17, 22, ?

- A. 32 B. 27 C. 34 D. 30 E. None of these

3. 4, 5, 9, 36, 292, ?

- A. 1347 B. 3417 C. 3471 D. 3147 E. None of these

4. 22, 23, 47, 142, 569, ?

- A. 2846 B. 2468 C. 2486 D. 2648 E. None of these

5. 90, 72, 56, 42, 30, ?

- A. 6 B. 12 C. 35 D. 20 E. None of these

6. 16, 15, 19, 10, 26, ?

- A. 1 B. 51 C. 3 D. 53 E. None of these

7. 11, 55, 330, 2310, ?

- A. 14560 B. 16230 C. 18480 D. 20140 E. None of these

8. 2550, 2652, 2756, 2862, 2970, ?

- A. 3080 B. 3120 C. 3020 D. 3180 E. None of these

9. 36, 19, 21, 34.5, 73, ?

- A. 160.5 B. 182.5 C. 178.5 D. 187.5 E. None of these

10. 344, 345, 353, 362, 426, ?

- A. 465 B. 460 C. 451 D. 455 E. None of these

Correct Answers:

1	2	3	4	5	6	7	8	9	10
C	D	B	A	D	A	C	A	D	C

Explanations:

1.

Series Pattern	Given Series
12	12
$12 \times 0.5 + 1 = 7$	7
$7 \times 1.5 + 2 = 12.5$	12.5
$12.5 \times 2.5 + 3 = 34.25$	34.25
$34.25 \times 3.5 + 4 = 123.875$	123.875
$123.875 \times 4.5 + 5 = 562.4375$	562.4375 ✓

Hence, option (C) is correct.

2.

Series Pattern	Given Series
$10 + 0 = 0$	10
$10 + 1 = 11$	11
$11 + 1 = 12$	12
$12 + 2 = 14$	14
$14 + 3 = 17$	17
$17 + 5 = 22$	22
$22 + 8 = 30$	30 ✓

In the above series the difference between two numbers is based on Fibonacci Number Series.

Kindly click on the link below:

https://en.wikipedia.org/wiki/Fibonacci_number

Hence, option (D) is correct.

3.

Series Pattern	Given Series
4	4
$4 + 1^1 = 5$	5
$5 + 2^2 = 9$	9
$9 + 3^3 = 36$	36
$36 + 4^4 = 292$	292
$292 + 5^5 = 3417$	3417 ✓

Hence, option (B) is correct.

4.

Series Pattern	Given Series
22	22
$22 \times 1 + 1 = 23$	23
$23 \times 2 + 1 = 47$	47
$47 \times 3 + 1 = 142$	142
$142 \times 4 + 1 = 569$	569
$569 \times 5 + 1 = 2846$	2846 ✓

Hence, option (A) is correct.

5.

Series Pattern	Given Series
10	10
$10 \times 9 = 90$	90
$9 \times 8 = 72$	72
$8 \times 7 = 56$	56
$7 \times 6 = 42$	42
$6 \times 5 = 30$	30
$5 \times 4 = 20$	20 ✓

Hence, option (D) is correct.

6.

Series Pattern	Given Series	
16	16	
$16 - 1^2 = 15$	15	
$15 + 2^2 = 19$	19	
$19 - 3^2 = 10$	10	
$10 + 4^2 = 26$	26	
$26 - 5^2 = 1$	1	✓

Hence, option (A) is correct.

7.

Series Pattern	Given Series	
11	11	
$11 \times 5 = 55$	55	
$55 \times 6 = 330$	330	
$330 \times 7 = 2310$	2310	
$2310 \times 8 = 18480$	18480	✓

Hence, option (C) is correct.

8.

Series Pattern	Given Series	
$50 \times 51 = 2550$	2550	
$51 \times 52 = 2652$	2652	
$52 \times 53 = 2756$	2756	
$53 \times 54 = 2862$	2862	
$54 \times 55 = 2970$	2970	
$55 \times 56 = 3080$	3080	✓

Hence, option (A) is correct.

9.

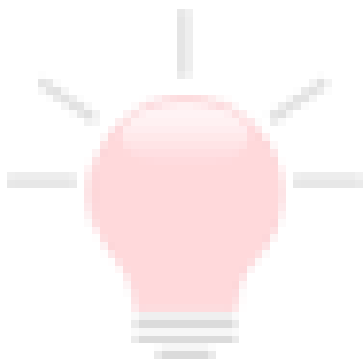
Series Pattern	Given Series	
36	36	
$36 \times 0.5 + 1 = 19$	19	
$19 \times 1 + 2 = 21$	21	
$21 \times 1.5 + 3 = 34.5$	34.5	
$34.5 \times 2 + 4 = 73$	73	
$73 \times 2.5 + 5 = 187.5$	187.5	✓

Hence, option (D) is correct.

10.

Series Pattern	Given Series	
344	344	
$344 + 1^2 = 345$	345	
$345 + 2^3 = 353$	353	
$353 + 3^2 = 362$	362	
$362 + 4^3 = 426$	426	
$426 + 5^2 = 451$	451	✓

Hence, option (C) is correct.



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