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

Number series Quiz 32

Directions : What should come in place of Question mark (?) in the following Series.

1. 7, 9, 12, 48, ?, 890

- A. 128 B. 190 C. 172 D. 168 E. None of these

2. 47, 58, 71, 79, 95, ?

- A. 108 B. 107 C. 105 D. 109 E. None of the above

3. 8, 39, 79, 394, 789, ?

- A. 2149 B. 3542 C. 2862 D. 3944 E. None of these

4. 15, 17, 26, 47, 86, ?

- A. 132 B. 149 C. 169 D. 172 E. 152

5. 3, 9, 24, 57, ?, 267, 552

- A. 121 B. 118 C. 114 D. 126 E. None of these

6. 2, 8, 28, 102, 432, ?

- A. 1860 B. 1296 C. 2190 D. 2490 E. None of these

7. 6, 16, 44, 126, 370, ?

- A. 1100 B. 1050 C. 1400 D. 1260 E. None of these

8. 51, 77, 175, 250, 279, ?

- A. 313 B. 413 C. 512 D. 616 E. None of these

9. 2, 2, 5, 15.5, ?, 267.125

- A. 58.25 B. 65.25 C. 56.25 D. 62.25 E. None of these

10. 219, 223, 232, 248, ?

- A. 296 B. 284 C. 257 D. 273 E. 267

Correct Answers:

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

Explanations:

1.

Series Pattern	Given Series
7	7
$7 \times 1 + 1 \times 2$	9
$9 \times 2 - 2 \times 3$	12
$12 \times 3 + 3 \times 4$	48
$48 \times 4 - 4 \times 5$	172 ✓
$172 \times 5 + 5 \times 6$	890

Hence, option C is correct.

2.

Series Pattern	Given Series
47	47
$47 + (7 + 4)$	58
$58 + (5 + 8)$	71
$71 + (7 + 1)$	79
$79 + (7 + 9)$	95
$95 + (9 + 5)$	109 ✓

Hence, option D is correct.

3.

Series Pattern	Given Series
8	8
$8 \times 5 - 1 = 39$	39
$39 \times 2 + 1 = 79$	79
$79 \times 5 - 1 = 394$	394
$394 \times 2 + 1 = 789$	789
$789 \times 5 - 1 = 3944$	3944 ✓

Hence, option (D) is correct.

4.

Series Pattern	Given Series
15	15
$15 + (1^3 + 1) = 17$	17
$15 + (2^3 + 3) = 26$	26
$15 + (3^3 + 5) = 47$	47
$15 + (4^3 + 7) = 86$	86
$15 + (5^3 + 9) = 149$	149 ✓

Hence, option (B) is correct.

5.

Series Pattern	Given Series
3	3
$3 \times 2 + 3$	9
$9 \times 2 + 6$	24
$24 \times 2 + 9$	57
$57 \times 2 + 12$	126 ✓
$126 \times 2 + 15$	267
$267 \times 2 + 18$	552

Hence, option D is correct.

6.

Series Pattern	Given Series
2	2
$2 \times 1 + 6$	8
$8 \times 2 + 12$	28
$28 \times 3 + 18$	102
$102 \times 4 + 24$	432
$432 \times 5 + 30$	2190 ✓

Hence, option C is correct.

7.

Series Pattern	Given Series
6	6
$6 \times 3 - 2$	16
$16 \times 3 - 4$	44
$44 \times 3 - 6$	126
$126 \times 3 - 8$	370
$370 \times 3 - 10$	1100 ✓

Hence, option (A) is correct.

8.

Series Pattern	Given Series
51	51
$51 + (5^2 + 1^2) = 77$	77
$77 + (7^2 + 7^2) = 175$	175
$175 + (1^2 + 7^2 + 5^2) = 250$	250
$250 + (2^2 + 5^2 + 0^2) = 279$	279
$279 + (2^2 + 7^2 + 9^2) = 413$	413 ✓

Hence, option (B) is correct.

9.

Series Pattern	Given Series
2	2
$2 \times 0.5 + 1$	2
$2 \times 1.5 + 2$	5
$5 \times 2.5 + 3$	15.5
$15.5 \times 3.5 + 4$	58.25 ✓
$58.25 \times 4.5 + 5$	267.125

Hence, option (A) is correct.

10.

Series Pattern	Given Series
219	219
$219 + (1^2 + 1 + 2) = 223$	223
$223 + (2^2 + 2 + 3) = 232$	232
$232 + (3^2 + 3 + 4) = 248$	248
$248 + (4^2 + 4 + 5) = 273$	273 ✓

Hence, option (D) is correct.

Alternate Solution:-

Series Pattern	Given Series
219	219
$219 + (2^2) = 223$	223
$223 + (3^2) = 232$	232
$232 + (4^2) = 248$	248
$248 + (5^2) = 273$	273 ✓

Hence, option (D) is correct.



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