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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 31

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

1. 4, 18, 85, 336, 1005, ?

- A. 1680 B. 1850 C. 2080 D. 2008 E. 1901

2. 9, 265, 393, 457, 489, ?

- A. 550 B. 505 C. 595 D. 575 E. 525

3. 7, 17, 35, 63, 103, ?

- A. 109 B. 157 C. 186 D. 212 E. 172

4. 40, 82, 249, 1250, ?

- A. 7456 B. 6583 C. 8757 D. 3423 E. 8134

5. 24, 70, 144, 252, 400, ?

- A. 549 B. 549 C. 495 D. 594 E. 525

6. 33, 47, 53, 61, 71, ?

- A. 84 B. 85 C. 83 D. 81 E. None of the above

7. 660, 656, 620, 520, 324, ?

- A. 116 B. 56 C. 1 D. 0 E. None of these

8. 133, 207, 353, 501, 741, ?

- A. 980 B. 982 C. 984 D. 987 E. 995

9. 8.5, 24, ?, 79, 118.5, 166

- A. 47.5 B. 48.5 C. 49.5 D. 50.5 E. None of these

10. 2048, 516, 1032, 262, ?, 135, 270

- A. 532 B. 444 C. 464 D. 524 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern Given Series

4	4
$4 \times 6 - 6$	18
$18 \times 5 - 5$	85
$85 \times 4 - 4$	336
$336 \times 3 - 3$	1005
$1005 \times 2 - 2$	2008 ✓

Hence, option (D) is correct.

2.

Series Pattern Given Series

9	9
$9 + 256$	265
$265 + 128$	393
$393 + 64$	457
$457 + 32$	489
$489 + 16$	505 ✓

Hence, option (B) is correct.

3.

Series Pattern Given Series

7	7
$7 + 2 \times 5$	17
$17 + 3 \times 6$	35
$35 + 4 \times 7$	63
$63 + 5 \times 8$	103
$103 + 6 \times 9$	157 ✓

Hence, option (B) is correct.

4.

Series Pattern	Given Series
40	40
$40 \times 2 + 2 = 82$	82
$82 \times 3 + 3 = 249$	249
$249 \times 5 + 5 = 1250$	1250
$1250 \times 7 + 7 = 8757$	8757 ✓

Hence, option (C) is correct.

5.

Series Pattern	Given Series
$5^2 \times 1 - 1$	24
$6^2 \times 2 - 2$	70
$7^2 \times 3 - 3$	144
$8^2 \times 4 - 4$	252
$9^2 \times 5 - 5$	400
$10^2 \times 6 - 6$	594 ✓

Hence, option D is correct.

6.

Series Pattern	Given Series
33	33
$33 + 2^2 + 10$	47
$33 + 3^2 + 11$	53
$33 + 4^2 + 12$	61
$33 + 5^2 + 13$	71
$33 + 6^2 + 14$	83 ✓

Hence, option C is correct.

7.

Series Pattern	Given Series
660	660
$660 - (4 \times 1^2)$	656
$656 - (4 \times 3^2)$	620
$620 - (4 \times 5^2)$	520
$520 - (4 \times 7^2)$	324
$324 - (4 \times 9^2)$	0 ✓

Hence, option D is correct.

8.

Series Pattern	Given Series
$(5^3 + 8)$	133
$(6^3 - 9)$	207
$(7^3 + 10)$	353
$(8^3 - 11)$	501
$(9^3 + 12)$	741
$(10^3 - 13)$	987 ✓

Hence, option D is correct.

9.

Series Pattern	Given Series
$3 \times 1.5 + 2^2 = 8.5$	8.5
$6 \times 2.5 + 3^2 = 24$	24
$9 \times 3.5 + 4^2 = 47.5$	47.5 ✓
$12 \times 4.5 + 5^2 = 79$	79
$15 \times 5.5 + 6^2 = 118.5$	118.5
$18 \times 6.5 + 7^2 = 166$	166

Hence, option (A) is correct.

10.

Series Pattern	Given Series
2048	2048
$2048 \div 4 + 4 = 516$	516
$516 \times 2 = 1032$	1032
$1032 \div 4 + 4 = 262$	262
$262 \times 2 = 524$	524 ✓
$524 \div 4 + 4 = 135$	135
$135 \times 2 = 270$	270

Hence, there will be 524 in place of question.

Hence, option (D) is correct.



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