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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 35

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

1. 131 231 341 461 ? 731

- A. 631 B. 531 C. 541 D. 591 E. None of these

2. 81 108 124 249 ? 628

- A. 386 B. 285 C. 341 D. 528 E. None of these

3. 824 568 793 597 766 ?

- A. 622 B. 628 C. 714 D. 694 E. None of these

4. 10.5 20 39 67.5 ? 153

- A. 95.5 B. 101.5 C. 105.5 D. 108.5 E. None of these

5. 9 31 73 141 241 ?

- A. 319 B. 357 C. 271 D. 379 E. None of these

6. 161 159 169 227 477 ?

- A. 1540 B. 1480 C. 1495 D. 1440 E. None of these

7. 33 26.5 ? 64.75 139.5 358.75

- A. 36.5 B. 39.5 C. 35.02 D. 37.01 E. None of these

8. 31 17 26 64.5 ? 1006.6

- A. 218.6 B. 276.7 C. 225.50 D. 224.25 E. None of these

9. 16 19 26 39 62 ?

- A. 99 B. 103 C. 105 D. 89 E. None of these

10. 386 379 358 323 ? 211

- A. 274 B. 265 C. 235 D. 280 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern	Series
$43 \times 3 + (1 \times 2)$	131
$45 \times 5 + (2 \times 3)$	231
$47 \times 7 + (3 \times 4)$	341
$49 \times 9 + (4 \times 5)$	461
$51 \times 11 + (5 \times 6)$	591 ✓
$53 \times 13 + (6 \times 7)$	731

Hence, option D is correct.

2.

Series Pattern	Series
81	81
$81 + 3^3$	108
$108 + 4^2$	124
$124 + 5^3$	249
$249 + 6^2$	285 ✓
$285 + 7^3$	628

Hence, option B is correct.

3.

Series Pattern	Series
824	824
$824 - 16^2$	568
$568 + 15^2$	793
$793 - 14^2$	597
$597 + 13^2$	766
$766 - 12^2$	622 ✓

Hence, option A is correct.

4.

Series Pattern	Series
10.5	10.5
$10.5 + (9 \times 1) + (0.5)$	20
$20 + (9 \times 2) + 1$	39
$39 + (9 \times 3) + (1.5)$	67.5
$67.5 + (9 \times 4) + (2)$	105.5 ✓
$105.5 + (9 \times 5) + (2.5)$	153

Hence, option C is correct.

5.

Series Pattern	Series
$1^2 + 2^3$	9
$2^2 + 3^3$	31
$3^2 + 4^3$	73
$4^2 + 5^3$	141
$5^2 + 6^3$	241
$6^2 + 7^3$	379 ✓

Hence, option D is correct.

6.

Given Series:

Series I :161	159	169	227	477 ?
Series II :	(+3-5)	(+15-5)	(+63-5)	(+255-5) ?
Series III:	(3×4)+3	→ (15×4)+3	→ (63×4)+3	→ ?

Series Pattern:

Series I :161	159	169	227	477	1495
Series II :	(+3-5)	(+15-5)	(+63-5)	(+255-5)	(1023-5)
Series III:	(3×4)+3	(15×4)+3	(63×4)+3	(255×4)+3	

Hence, there must be 1495 in place of question mark.

Therefore option (C) is correct.

7.

Series Pattern	Given Series
33	33
$33 \times 0.5 + 10 = 26.5$	26.5
$26.5 \times 1.0 + 10 = 36.5$	36.5 ?
$36.5 \times 1.5 + 10 = 64.75$	64.75
$64.75 \times 2.0 + 10 = 139.5$	139.5
$139.5 \times 2.5 + 10 = 358.75$	358.75

Hence, option (A) is correct.

8.

Series Pattern	Given Series
31	31
$(31 \times 0.5 - 0.5) + 2 = 17$	17
$(17 \times 1.5 - 1.5) + 2 = 26$	26
$(26 \times 2.5 - 2.5) + 2 = 64.5$	64.5
$(64.5 \times 3.5 - 3.5) + 2 = \mathbf{224.25}$	224.25 ?
$(224.25 \times 4.5 - 4.5) + 2 = 1006.625$	1006.625

Hence, option (D) is correct.

9.

Series Pattern	Given Series
16	16
$16 + 2^1 + 1 = 19$	19
$19 + 2^2 + 3 = 26$	26
$26 + 2^3 + 5 = 39$	39
$39 + 2^4 + 7 = 62$	62
$62 + 2^5 + 9 = \mathbf{103}$	103 ✓

Hence, option (B) is correct.

10.

Series Pattern	Given Series
386	386
$386 - \mathbf{7} (= 1 \times 7) = 379$	379
$379 - \mathbf{21} (= 3 \times 7) = 358$	358
$358 - \mathbf{35} (= 5 \times 7) = 323$	323
$323 - \mathbf{49} (= 7 \times 7) = \mathbf{274}$	274 ✓
$274 - \mathbf{63} (= 9 \times 7) = 211$	211

Hence. option A is correct.



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