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

Number series Quiz 36

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

1. 17 22 33 42 61 ?

- A. 62 B. 72 C. 78 D. 76 E. None of these

2. 32 48 24 36 18 ?

- A. 27 B. 32 C. 44 D. 18 E. None of these

3. 8 13.5 43 197 1186.5 ?

- A. 7864.25 B. 1172 C. 9625.25 D. 8904.25 E. None of these

4. 126 247 416 641 ? 1291

- A. 847 B. 930 C. 856 D. 878 E. None of these

5. 29 40 56 97 263 ?

- A. 1450 B. 1405 C. 1054 D. 1504 E. None of these

6. 120 123 135 162 210 ?

- A. 265 B. 260 C. 285 D. 280 E. None of these

7. 45 0 2.5 55 1657.5 ?

- A. 66310.00 B. 66300.50 C. 66710.50 D. 66700.00 E. None of these

8. 66 130.5 260 519.5 ? 2078.5

- A. 1041.00 B. 1041.50 C. 1039.50 D. 1039.00 E. None of these

9. 21 26 65 220 921 ?

- A. 4605 B. 4666 C. 4630 D. 4641 E. None of these

10. 2400 2500 1350 550 237.5 ?

- A. 147.5 B. 95.5 C. 47.5 D. 36.5 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern	Series
17	17
$17 + 3 \times 2 - 1$	22
$22 + 3 \times 3 + 2$	33
$33 + 3 \times 4 - 3$	42
$42 + 3 \times 5 + 4$	61
$61 + 3 \times 6 - 5$	74 ✓

Hence, option E is correct.

2.

Series Pattern	Series
32	32
32×1.5	48
$48 \div 2$	24
24×1.5	36
$36 \div 2$	18
18×1.5	27 ✓

Hence, option A is correct.

3.

Series Pattern	Series
8	8
$8 \times 1.5 + 1.5$	13.5
$13.5 \times 3 + 2.5$	43
$43 \times 4.5 + 3.5$	197
$197 \times 6 + 4.5$	1186.5
$1186.5 \times 7.5 + 5.5$	8904.25 ✓

Hence, option D is correct.

4.

Series Pattern	Series
126	126
$126 + 11^2$	247
$247 + 13^2$	416
$416 + 15^2$	641
$641 + 17^2$	930 ✓
$930 + 19^2$	1291

Hence, option B is correct.

5.

Series I :	29	40	56	97	263	?
Series II :	11	16	41	166	?	
Series III :	5	25	125	?		
Series IV :		$\times 5$	$\times 5$	$\times 5$		

Clearly, the pattern in series IV is multiply by 5.

So, the missing term in series III = $125 \times 5 = 625$

\therefore missing term in series II = $625 + 166 = 791$;

\therefore missing term in series I = $791 + 263 = 1054$:

Series I :	29	40	56	97	263	1054
Series II :	11	16	41	166	791	
Series III :	5	25	125	625		
Series IV :		$\times 5$	$\times 5$	$\times 5$		

Hence, option C is correct.

6.

Series Pattern	Given Series
120	120
$120 - 1^2 + 2^2$	123
$123 - 2^2 + 4^2$	135
$135 - 3^2 + 6^2$	162
$162 - 4^2 + 8^2$	210
$210 - 5^2 + 10^2$	285 ✓

Hence, option (C) is correct.

7.

Series Pattern	Given Series
45	45
$45 \times 0 + 0$	0
$0 \times 10 + 2.5$	2.5
$2.5 \times 20 + 5$	55
$55 \times 30 + 7.5$	1657.5
$1657.5 \times 40 + 10$	66310 ✓

Hence, option (A) is correct.

8.

Series Pattern	Given Series
66	66
$66 \times 2 + 0.5 - 2$	130.5
$130.5 \times 2 + 1 - 2$	260
$260 \times 2 + 1.5 - 2$	519.5
$519.5 \times 2 + 2 - 2$	1039 ✓
$1039 \times 2 + 2.5 - 2$	2078.5

Hence, option (D) is correct.

9.

Series Pattern	Given Series
21	21
$21 \times 1 + 1^2 + 2^2$	26
$26 \times 2 + 2^2 + 3^2$	65
$65 \times 3 + 3^2 + 4^2$	220
$220 \times 4 + 4^2 + 5^2$	921
$921 \times 5 + 5^2 + 6^2$	4666 ✓

Hence, option (B) is correct.

10.

Series Pattern	Given Series
2400	2400
$2400 \div 1 + 10^2$	2500
$2500 \div 2 + 10^2$	1350
$1350 \div 3 + 10^2$	550
$550 \div 4 + 10^2$	237.5
$237.5 \div 5 + 10^2$	147.5 ✓

Hence, option (A) is correct.



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