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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 39

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

1. 1024 520 268 142 ? 47.5

A. 84 B. 82 C. 79 D. 88 E. None of these

2. 32 16.5 17.5 27.75 57.5 ?

A. 136.25 B. 142.25 C. 146.25 D. 156.25 E. None of these

3. 6 16 34 62 102 ?

A. 156 B. 132 C. 136 D. 142 E. None of these

4. 100 101 102 101 96 ? 66

A. 97 B. 85 C. 108 D. 64 E. None of these

5. 3 10 24 50 ? 170

A. 80 B. 82 C. 120 D. 121 E. None of these

6. 32 35 64 71 104 ? 152

A. 110 B. 114 C. 115 D. 125 E. None of these

7. 4 20 29 38 47 56 ?

A. 65 B. 64 C. 66 D. 62 E. None of these

8. 9 24 69 204 609 ?

A. 1818 B. 1828 C. 1827 D. 1824 E. None of these

9. 582 751 555 724 528 ?

A. 699 B. 702 C. 697 D. 695 E. None of these

10. 14 33 71 128 204 ?

A. 289 B. 298 C. 225 D. 256 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern	Series
1024	1024
$1024 \div 2 + 8$	520
$520 \div 2 + 8$	268
$268 \div 2 + 8$	142
$142 \div 2 + 8$	79 ✓
$79 \div 2 + 8$	47.5

Hence, option C is correct.

2.

Series Pattern	Given Series
32	32 ✓
$32 \times \frac{1}{2} + \frac{1}{2} = 16.5$	16.5
$16.5 \times 1 + 1 = 17.5$	17.5
$17.5 \times \frac{3}{2} + \frac{3}{2} = 27.75$	27.75
$27.75 \times 2 + 2 = 57.5$	57.5
$57.5 \times \frac{5}{2} + \frac{5}{2} = 146.25$	146.25 ✓

Therefore, option C is correct.

3.

Series Pattern	Given Series
6	6
$6 + 2 \times 5$	16
$16 + 3 \times 6$	34
$34 + 4 \times 7$	62
$62 + 5 \times 8$	102
$102 + 6 \times 9$	156 ✓

Hence, option (A) is correct.

4.

Series Pattern	Given Series
$100 - (2)^2 + 5$	101
$101 - (3)^2 + 10$	102
$102 - (4)^2 + 15$	101
$101 - (5)^2 + 20$	96
$96 - (6)^2 + 25$	85 ✓
$85 - (7)^2 + 30$	66

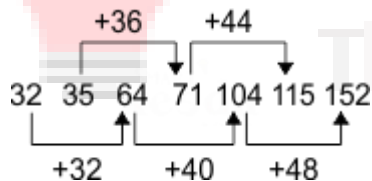
Hence, option B is correct.

5.

Series Pattern	Given Series
$2^2 - 1$	3
$3^2 + 1$	10
$5^2 - 1$	24
$7^2 + 1$	50
$11^2 - 1$	120 ✓
$13^2 + 1$	170

Hence, option C is correct.

6.



Hence, option (C) is correct.

7.

Series Pattern	Given Series
4	4
$4 \times 4 + 4 = 20$	20
$4 \times 6 + 5 = 29$	29
$4 \times 8 + 6 = 38$	38
$4 \times 10 + 7 = 47$	47
$4 \times 12 + 8 = 56$	56
$4 \times 14 + 9 = 65$	65 ✓

Hence, option (A) is correct.

8.

Series Pattern	Given Series
9	9
$9 + 15 = 24$	24
$24 + 15 \times 3 = 69$	69
$69 + 15 \times 3 \times 3 = 204$	204
$204 + 15 \times 3 \times 3 \times 3 = 609$	609
$609 + 15 \times 3 \times 3 \times 3 \times 3 = 1824$	1824 ✓

Hence, option (D) is correct.

9.

Series Pattern	Given Series
582	582
$582 + 169 = 751$	751
$751 - 196 = 555$	555
$555 + 169 = 724$	724
$724 - 196 = 528$	528
$528 + 169 = 697$	697 ✓

Hence, option (C) is correct.

10.

Series Pattern	Given Series
14	14
$14 + 19 = 33$	33
$33 + 19 \times 2 = 71$	71
$71 + 19 \times 3 = 128$	128
$128 + 19 \times 4 = 204$	204
$204 + 19 \times 5 = 299$	299 ✓

Hence, option (E) is correct.



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