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

Number series Quiz 49

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

1. 4 20 51 105 ? 314

A. 169 B. 190 C. 196 D. 194 E. None of these

2. 67 ? 84.5 97 112 129.5 149.5

A. 70 B. 75 C. 73.5 D. 74 E. None of these

3. 3 10 ? 225 1591 14334

A. 40 B. 48 C. 42 D. 30 E. None of these

4. 2 7 63 420 ? 20741

A. 2968 B. 2940 C. 2912 D. 2989 E. None of these

5. 462 552 650 756 870 992 ?

A. 1040 B. 1122 C. 1132 D. 1050 E. None of these

6. 17 23 83 293 797 ?

A. 1787 B. 1645 C. 2845 D. 2734 E. None of these

7. 18 23 42 83 154 ?

A. 265 B. 285 C. 263 D. 312 E. None of these

8. 12 5 9 13 17 ?

A. 21 B. 22 C. 23 D. 16 E. None of these

9. 46 57 70 81 ? 105

A. 92 B. 94 C. 99 D. 95 E. None of these

10. 16 16 33 50 67 ?

A. 81 B. 92 C. 72 D. 84 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern	Given Series
4	4
$4 + 2^2 + 12 = 20$	20
$20 + 4^2 + 15 = 51$	51
$51 + 6^2 + 18 = 105$	105
$105 + 8^2 + 21 = 190$	190 ✓
$190 + 10^2 + 24 = 314$	314

Hence, option (B) is correct.

2.

Series Pattern	Given Series
67	67
$67 + 7.5 = 74.5$	74.5 ✓
$74.5 + 10 = 84.5$	84.5
$84.5 + 12.5 = 97$	97
$97 + 15 = 112$	112
$112 + 17.5 = 129.5$	129.5
$129.5 + 20 = 149.5$	149.5

Hence, option (E) is correct.

3.

Series Pattern	Given Series
3	3
$3 \times 1 + (1 \times 7) = 10$	10
$10 \times 3 + (2 \times 6) = 42$	42 ✓
$42 \times 5 + (3 \times 5) = 225$	225
$225 \times 7 + (4 \times 4) = 1591$	1591
$1591 \times 9 + (5 \times 3) = 14334$	14334

Hence, option (C) is correct.

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4.

Series Pattern	Given Series
2	2
$(2 \times 7) - 7 = 7$	7
$(7 \times 7) + 14 = 63$	63
$(63 \times 7) - 21 = 420$	420
$(420 \times 7) + 28 = 2968$	2968 ✓
$(2968 \times 7) - 35 = 20741$	20741

Hence, option (A) is correct.

5.

Series Pattern	Given Series
462	462
$462 + 90 = 552$	552
$552 + 90 + 8 = 650$	650
$650 + 98 + 8 = 756$	756
$756 + 106 + 8 = 870$	870
$870 + 114 + 8 = 992$	992
$992 + 122 + 8 = 1122$	1122 ✓

Hence, option (B) is correct.

6.

Series Pattern	Given Series
17	17
$17 + (1 \times 2 \times 3)$	23
$23 + (3 \times 4 \times 5)$	83
$83 + (5 \times 6 \times 7)$	293
$293 + (7 \times 8 \times 9)$	797
$797 + (9 \times 10 \times 11)$	1787 ✓

Hence, option A is correct.

07.

Series Pattern	Given Series
18	18
$18 + (2^2 + 1)$	23
$23 + (4^2 + 3)$	42
$42 + (6^2 + 5)$	83
$83 + (8^2 + 7)$	154
$154 + (10^2 + 9)$	263 ✓

Hence, option (C) is correct.

8.

Series Pattern	Given series
12	12
$12 \times \frac{1}{3} + 1$	5
$12 \times \frac{2}{3} + 1$	9
$12 \times \frac{3}{3} + 1$	13
$12 \times \frac{4}{3} + 1$	17
$12 \times \frac{5}{3} + 1$	21 ✓

Hence, option (A) is correct.

9.

Series Pattern	Given Series
46	46
$46 + 11$	57
$57 + 13$	70
$70 + 11$	81
$81 + 13$	94 ✓
$94 + 11$	105

Hence, option (B) is correct.

10.

Series Pattern	Given Series
16	16
$16 \times 1 + 0$	16
$16 \times 2 + 1$	33
$16 \times 3 + 2$	50
$16 \times 4 + 3$	67
$16 \times 5 + 4$	84 ✓

Hence, option (D) is correct.

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