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

Number series Quiz 22

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

1. 34, 341, 3071, 24571, ?

- A. 121021 B. 145201 C. 172001 D. 164002 E. None of these

2. 1228, 499, 563, 220, 256, ?

- A. 105 B. 124 C. 131 D. 152 E. None of these

3. 12, 18, 45, 157.5, 708.75, ?

- A. 3898.125 B. 3282.125 C. 2848.125 D. 2498.125 E. None of these

4. 12000, 2000, 400, 100, 33.33, ?

- A. 13.125 B. 17.845 C. 16.665 D. 15.854 E. None of these

5. 7, 12, 25, 50, 91, ?

- A. 136 B. 84 C. 112 D. 152 E. None of these

6. 12, 121, 1091, 8731, 61121, ?

- A. 866523 B. 366731 C. 344254 D. 233456 E. 395667

7. 45, 126, 62, 111, 75, ?

- A. 125 B. 112 C. 120 D. 100 E. None of these

8. 123, 128, 138, 149, 162, ?

- A. 150 B. 168 C. 170 D. 142 E. None of these

9. 100, 198, 294, 388, 480, ?

- A. 470 B. 490 C. 570 D. 540 E. None of these

10. 6, 4, 6, 12, 22, ?

- A. 28 B. 36 C. 48 D. 52 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern	Given Series
34	34
$34 \times 10 + 1 = 341$	341
$341 \times 9 + 2 = 3071$	3071
$3071 \times 8 + 3 = 24571$	24571
$24571 \times 7 + 4 = 172001$	172001 ✓

Hence, option (C) is correct.

2.

Series Pattern	Given Series
1228	1228
$1228 - 9^3 = 499$	499
$499 + 8^2 = 563$	563
$563 - 7^3 = 220$	220
$220 + 6^2 = 256$	256
$256 - 5^3 = 131$	131 ✓

Hence, option (C) is correct.

3.

Series Pattern	Given Series
12	12
$12 \times 1.5 = 18$	18
$18 \times 2.5 = 45$	45
$45 \times 3.5 = 157.5$	157.5
$157.5 \times 4.5 = 708.5$	708.75
$708.75 \times 5.5 = 3898.125$	3898.125 ✓

Hence, option (A) is correct.

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4.

Series Pattern	Given Series
12000	12000
$12000 \div 6 = 2000$	2000
$2000 \div 5 = 400$	400
$400 \div 4 = 100$	100
$100 \div 3 = 33.33$	33.33
$33.33 \div 2 = 16.665$	16.665 ✓

Hence, option (C) is correct.

5.

Series Pattern	Given Series
7	7
$7 + (1^2 + 2^2) = 12$	12
$12 + (2^2 + 3^2) = 25$	25
$25 + (3^2 + 4^2) = 50$	50
$50 + (4^2 + 5^2) = 91$	91
$91 + (5^2 + 6^2) = 152$	152 ✓

Hence, option (D) is correct.

6.

Series Pattern	Given Series
12	12
$12 \times 10 + 1 = 121$	121
$121 \times 9 + 2 = 1091$	1091
$1091 \times 8 + 3 = 8731$	8731
$8731 \times 7 + 4 = 61121$	61121
$61121 \times 6 + 5 = 366731$	366731 ✓

Hence, option (B) is correct.

7.

Series Pattern	Given Series
45	45
$45 + 9^2 = 126$	126
$126 - 8^2 = 62$	62
$62 + 7^2 = 111$	111
$111 - 6^2 = 75$	75
$75 + 5^2 = 100$	100 ✓

Hence, option (D) is correct.

8.

Series Pattern	Given Series
123	123
$123 + (2 + 3) = 128$	128
$128 + (2 + 8) = 138$	138
$138 + (3 + 8) = 149$	149
$149 + (4 + 9) = 162$	162
$162 + (6 + 2) = 170$	170 ✓

Hence, option (C) is correct.

9.

Series Pattern	Given Series
$100 \times 1 = 100$	100
$99 \times 2 = 198$	198
$98 \times 3 = 294$	294
$97 \times 4 = 388$	388
$96 \times 5 = 480$	480
$95 \times 6 = 570$	570 ✓

Hence, option (C) is correct.

10.

Series Pattern	Given Series
6	6
$6 \times 0.5 + 1^2 = 4$	4
$4 \times 0.5 + 2^2 = 6$	6
$6 \times 0.5 + 3^2 = 12$	12
$12 \times 0.5 + 4^2 = 22$	22
$22 \times 0.5 + 5^2 = 36$	36 ✓

Hence, option (B) is correct.



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