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

Number series Quiz 20

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

1. 420, 462, 506, 552, 600, ?

A. 800 B. 650 C. 725 D. 675 E. None of these

2. 342, 348, 372, 378, 402, ?

A. 420 B. 430 C. 408 D. 435 E. None of these

3. 5, 15, 33, 57, 85, ?

A. 95 B. 105 C. 110 D. 115 E. None of these

4. 8, 4, 6, 15, 52.5, ?

A. 230.52 B. 232.52 C. 236.25 D. 234.25 E. None of these

5. 123, 128, 138, 149, 162, ?

A. 170 B. 171 C. 180 D. 185 E. None of these

6. 35, 37, 47, 77, 145, ?

A. 157 B. 213 C. 275 D. 195 E. None of these

7. 678, 699, 723, 735, 750, ?

A. 823 B. 726 C. 832 D. 762 E. None of these

8. 96, 48, 16, 4, 0.8, ?

A. 0.155 B. 0.166 C. 0.144 D. 0.133 E. None of these

9. 200, 231, 264, 299, 336, ?

A. 425 B. 375 C. 257 D. 195 E. None of these

10. 7, 7, 14, 40, 103, ?

A. 252 B. 227 C. 272 D. 225 E. None of these

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Correct Answers:

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

Explanations:

1.

Series Pattern	Given Series	
20 × 21 = 420	420	
21 × 22 = 462	462	
22 × 23 = 506	506	
23 × 24 = 552	552	
24 × 25 = 600	600	
25 × 26 = 650	**650**	✓

Hence, option (B) is correct.

2.

Series Pattern	Given Series	
342	342	
342 + (3 × 2) = 348	348	
348 + (3 × 8) = 372	372	
372 + (3 × 2) = 378	378	
378 + (3 × 8) = 402	402	
402 + (3 × 2) = 408	**408**	✓

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Hence, option (C) is correct.

3.

Series Pattern	Given Series	
5	5	
5 + 1 × 10 = 15	15	
15 + 2 × 9 = 33	33	
33 + 3 × 8 = 57	57	
57 + 4 × 7 = 85	85	
85 + 5 × 6 = 115	**115**	✓

Hence, option (D) is correct.

4.

Series Pattern	Given Series
8	8
8 × 0.5 = 4	4
4 × 1.5 = 6	6
6 × 2.5 = 15	15
15 × 3.5 = 52.5	52.5
52.5 × 4.5 = 236.25	**236.25** ✓

Hence, option (C) is correct.

5.

Series Pattern	Given Series
123	123
1**23** + (2 + 3) = 128	128
1**28** + (2 + 8) = 138	138
1**38** + (3 + 8) = 149	149
1**49** + (4 + 9) = 162	162
1**62** + (6 + 2) = 170	**170** ✓

Hence, option (A) is correct.

6.

Series Pattern	Given Series
35	35
$35 + 1^3 + 1 = 37$	37
$37 + 2^3 + 2 = 47$	47
$47 + 3^3 + 3 = 77$	77
$77 + 4^3 + 4 = 145$	145
$145 + 5^3 + 5 = 275$	**275** ✓

Hence, option (C) is correct.

7.

Series Pattern	Given Series
678	678
678 + (6 + 7 + 8) = 699	699
699 + (6 + 9 + 9) = 723	723
723 + (7 + 2 + 3) = 735	735
735 + (7 + 3 + 5) = 750	750
750 + (7 + 5 + 0) = 762	**762** ✓

Hence, option (D) is correct.

8.

Series Pattern	Given Series
96	96
96 ÷ 2 = 48	48
48 ÷ 3 = 16	16
16 ÷ 4 = 4	4
4 ÷ 5 = 0.8	0.8
0.8 ÷ 6 = 0.133	**0.133** ✓

Hence, option (D) is correct.

9.

Series Pattern	Given Series
200	200
200 + 31	231
231 + 33	264
264 + 35	299
299 + 37	336
336 + 39	**375** ✓

Hence, option (B) is correct.

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10.

Series Pattern	Given Series
7	7
$7 + (1^3 - 1) = 7$	7
$7 + (2^3 - 1) = 14$	14
$14 + (3^3 - 1) = 40$	40
$40 + (4^3 - 1) = 103$	103
$103 + (5^3 - 1) = 227$	**227** ✓

Hence, option (B) is correct.

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