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

## Number series Quiz 23

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

1. 217, 513, 1001, 1729, 2745, ?

- A. 3527      B. 4097      C. 4917      D. 3887      E. None of these

2. 34, 377, 313, 1042, 942, ?

- A. 2273      B. 1863      C. 1045      D. 1143      E. None of these

3. 435, 447, 462, 474, 489, 510, ?

- A. 522      B. 525      C. 516      D. 531      E. None of these

4. 2250000, 90000, 4500, 300, 30, ?

- A. 15      B. 8      C. 10      D. 6      E. None of these

5. 8, 12, 18, 27, 40.5, ?

- A. 60.75      B. 75      C. 81      D. 65      E. None of these

6. 6, 33, 62, ?, 262, 669

- A. 180      B. 138      C. 207      D. 219      E. None of these

7. 7, 9, 8, 12, 19, 27.5, 62, ?, 255

- A. 75      B. 92.75      C. 82.25      D. 115.5      E. None of these

8. 16, 1.6, 0.32, 0.096, 0.0384, ?

- A. 0.0432      B. 0.0534      C. 0.0192      D. 0.0124      E. None of these

9. 16, 33, 68, 139, 282, ?

- A. 596      B. 956      C. 569      D. 659      E. None of these

10. 43, 67, 71, 61, ?, 23

- A. 41      B. 42      C. 43      D. 44      E. None of these

### Correct Answers:

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

### Explanations:

1.

Series Pattern	Given Series	
$6^3 + 1 = 217$	217	
$8^3 + 1 = 513$	513	
$10^3 + 1 = 1001$	1001	
$12^3 + 1 = 1729$	1729	
$14^3 + 1 = 2745$	2745	
$16^3 + 1 = 4097$	<b>4097</b>	✓

Hence, option (B) is correct.

2.

Series Pattern	Given Series	
34	34	
$34 + 7^3 = 377$	377	
$377 - 8^2 = 313$	313	
$313 + 9^3 = 1042$	1042	
$1042 - 10^2 = 942$	942	
$942 + 11^3 = 2273$	<b>2273</b>	✓

Hence, option (A) is correct.

3.

Series Pattern	Given Series	
435	435	
$435 + (4 + 3 + 5) = 447$	447	
$447 + (4 + 4 + 7) = 462$	462	
$462 + (4 + 6 + 2) = 474$	474	
$474 + (4 + 7 + 4) = 489$	489	
$489 + (4 + 8 + 9) = 510$	510	
$510 + (5 + 1 + 0) = 516$	<b>516</b>	✓

Hence, option (C) is correct.

4.

Series Pattern	Given Series
2250000	2250000
$2250000 \div 25 = 90000$	90000
$90000 \div 20 = 4500$	4500
$4500 \div 15 = 300$	300
$300 \div 10 = 30$	30
$30 \div 5 = 6$	<b>6</b> ✓

Hence, option (D) is correct.

5.

Series Pattern	Given Series
8	8
$8 \times 1.5 = 12$	12
$12 \times 1.5 = 18$	18
$18 \times 1.5 = 27$	27
$27 \times 1.5 = 40.5$	40.5
$40.5 \times 1.5 = 60.75$	<b>60.75</b> ✓

Hence, option (A) is correct.

6.

Series Pattern	Given Series
$(2 + 1^3) \times 2 = 6$	6
$(3 + 2^3) \times 3 = 33$	33
$(4 + 3^3) \times 2 = 62$	62
$(5 + 4^3) \times 3 = 207$	<b>207</b> ✓
$(6 + 5^3) \times 2 = 262$	262
$(7 + 6^3) \times 3 = 669$	669

Hence, option (C) is correct.

7. First Series

Series Pattern	Given Series
7	7
$7 \times 1 + 1 = 8$	8
$8 \times 2 + 3 = 19$	19
$19 \times 3 + 5 = 62$	62
$62 \times 4 + 7 = 255$	255

## Second Series

Series Pattern	Given Series
9	9
$9 \times 1.5 - 1.5 = 12$	12
$12 \times 2.5 - 2.5 = 27.5$	27.5
$27.5 \times 3.5 - 3.5 = 92.75$	<b>92.75</b> ✓

Hence, the missing term is 92.75.

Hence, option (B) is correct.

8.

Series Pattern	Given Series
16	16
$16 \times 0.1 = 1.6$	1.6
$1.6 \times 0.2 = 0.32$	0.32
$0.32 \times 0.3 = 0.096$	0.096
$0.096 \times 0.4 = 0.0384$	0.0384
$0.0384 \times 0.5 = 0.0192$	<b>0.0192</b> ✓

Hence, option (C) is correct.

9.

Series Pattern	Given Series
16	16
$16 \times 2 + 1 = 33$	33
$33 \times 2 + 2 = 68$	68
$68 \times 2 + 3 = 139$	139
$139 \times 2 + 4 = 282$	282
$282 \times 2 + 5 = 569$	<b>569</b> ✓

Hence, option (C) is correct.

10.

Series Pattern	Given Series
$1 \times 7^2 - 6 = 43$	43
$2 \times 6^2 - 5 = 67$	67
$3 \times 5^2 - 4 = 71$	71
$4 \times 4^2 - 3 = 61$	61
$5 \times 3^2 - 2 = 43$	<b>43</b> ✓
$6 \times 2^2 - 1 = 23$	23

Hence, option (C) is correct.



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