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# Number series Questions for SBI PO Pre, IBPS PO Pre, LIC AAO, SBI Clerk Mains and IBPS Clerk Mains Exams.

## Number series Quiz 45

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

1. 5 20 320 1280 20480 ?

- A. 71960      B. 42480      C. 32340      D. 81920      E. None of these

2. 19 27 43 ? 139 267

- A. 90      B. 85      C. 65      D. 70      E. None of these

3. 10 16 34 70 130 ?

- A. 116      B. 220      C. 312      D. 224      E. None of these

4. 135135 12285 1365 195 ? 13

- A. 13      B. 26      C. 39      D. 52      E. None of these

5. 9 13 20 36 79 ?

- A. 195      B. 210      C. 203      D. 205      E. None of these

6. 7 14 28 49 77 ?

- A. 119      B. 84      C. 96      D. 112      E. None of these

7. 9 6 19 14 39 ?

- A. 36      B. 30      C. 40      D. 44      E. None of these

8. 12 38 90 194 402 ?

- A. 824      B. 828      C. 818      D. 614      E. None of these

9. 18 16 29 83 327 ?

- A. 1629      B. 1734      C. 1824      D. 2024      E. None of these

10. 8 16 36 74 136 228 ?

- A. 576      B. 356      C. 354      D. 382      E. None of these

### Correct Answers:

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	E	B	C	C	D	B	C	A	B

### Explanations:

1.

Series Pattern	Given Series
5	5
$5 \times 4$	20
$20 \times 16$	320
$320 \times 4$	1280
$1280 \times 16$	20480
$20480 \times 4$	<b>81920</b> ✓

Hence, option D is correct.

2.

Series Pattern	Given Series
19	19
$19 \times 2 - 11$	27
$27 \times 2 - 11$	43
$43 \times 2 - 11$	<b>75</b> ✓
$75 \times 2 - 11$	139
$139 \times 2 - 11$	267

Hence, option E is correct.

3.

Series Pattern	Given Series
$9 + 1^3$	10
$8 + 2^3$	16
$7 + 3^3$	34
$6 + 4^3$	70
$5 + 5^3$	130
$4 + 6^3$	<b>220</b> ✓

Hence, option B is correct.

4.

Series Pattern	Given Series
135135	135135
$135135 \div 11$	12285
$12285 \div 9$	1365
$1365 \div 7$	195
$195 \div 5$	<b>39</b> ✓
$39 \div 3$	13

Hence, option C is correct.

5.

Series I : 9 13 20 36 79 ?

Series II : 4 7 16 43 ?

Series III: 3 9 27 ?

Series IV: ×3 ×3 ×3

Clearly, the pattern in series IV is multiples of 3.

So, the missing term in series III =  $27 \times 3 = 81$

∴ missing term in series II =  $43 + 81 = 124$ ;

∴ missing term in series I =  $79 + 124 = 203$ .

Series I : 9 13 20 36 79 **203**

Series II : 4 7 16 43 **124**

Series III: 3 9 27 **81**

Series IV: ×3 ×3 ×3

Hence, option C is correct.

6.

Series Pattern	Given Series
7	7
$7 \times 2$	14
$7 \times (2 + 2)$	28
$7 \times (4 + 3)$	49
$7 \times (7 + 4)$	77
$7 \times (11 + 5)$	<b>112</b> ✓

Hence, option D is correct.

07. Pattern of this series starts from 3rd number, as you can see below,  
 $3^{\text{rd}} \text{ number} = 1^{\text{st}} \text{ number} \times 2 + 1$   
Similarly, fourth term =  $2^{\text{nd}} \text{ term} \times 2 + 2$

Series Pattern	Given Series
$4 \times 2 + 1$	9
$2 \times 2 + 2$	6
$9 \times 2 + 1$	19
$6 \times 2 + 2$	14
$19 \times 2 + 1$	39
$14 \times 2 + 2$	<b>30</b> ✓

Hence, option B is correct.

8.

Series Pattern	Given Series
12	12
$(12 + 7) \times 2$	38
$(38 + 7) \times 2$	90
$(90 + 7) \times 2$	194
$(194 + 7) \times 2$	402
$(402 + 7) \times 2$	<b>818</b> ✓

Hence, option C is correct.

9.

Series Pattern	Given Series
18	18
$18 \times 1 - 2$	16
$16 \times 2 - 3$	29
$29 \times 3 - 4$	83
$83 \times 4 - 5$	327
$327 \times 5 - 6$	<b>1629</b> ✓

Hence, option A is correct.

10.

Series Pattern	Series
$7 + 1^3$	8
$8 + 2^3$	16
$9 + 3^3$	36
$10 + 4^3$	74
$11 + 5^3$	136
$12 + 6^3$	228
$13 + 7^3$	<b>356</b> ✓

Hence, option B is correct.



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