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# Number Series Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, Canara Bank PO, RBI Grade B, Syndicate Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

## Number series Quiz 57

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

1. 767 495 359 291 257 ?

A. 120                      B. 240                      C. 57                      D. 68                      E. 189

2. 17.5 31 58 98.5 152.5 ?

A. 169.5                      B. 180.5                      C. 220                      D. 205                      E. None of these

3.  $\frac{40}{3}$  22 36 58 92 ?

A. 144                      B. 169                      C. 134                      D. 206                      E. 126

4. 6 12 48 264 1560 ?

A. 9636                      B. 9864                      C. 9432                      D. 9336                      E. 9268

5. 10 12 18 42 162 ?

A. 828                      B. 998                      C. 456                      D. 768                      E. 882

6. 2 8 28 102 432 ?

A. 1860                      B. 1296                      C. 2190                      D. 2490                      E. None of these

7. 6 16 44 126 370 ?

A. 1100                      B. 1050                      C. 1400                      D. 1260                      E. None of these

8. 51 77 175 250 279 ?

A. 313                      B. 413                      C. 512                      D. 616                      E. None of these

9. 2 2 5 15.5 ? 267.125

A. 58.25                      B. 65.25                      C. 56.25                      D. 62.25                      E. None of these

10. 219 223 232 248 ?

A. 296                      B. 284                      C. 257                      D. 273                      E. 267

## Correct Answers:

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

## Explanations:

1.

Series Pattern	Given Series
767	767
$767 - 272 = 495$	495
$495 - 136 = 359$	359
$359 - 68 = 291$	291
$291 - 34 = 257$	257
$257 - 17 = 240$	<b>240</b> ✓

Hence, option (B) is correct.

2.

Series Pattern	Given Series
17.5	17.5
$17.5 + 1 \times 13.5 = 31$	31
$31 + 2 \times 13.5 = 58$	58
$58 + 3 \times 13.5 = 98.5$	98.5
$98.5 + 4 \times 13.5 = 152.5$	152.5
$152.5 + 5 \times 13.5 = 220$	<b>220</b> ✓

Hence, option (C) is correct.

3.

Series Pattern	Given Series
$40/3$	$40/3$
$40/3 \times 1.5 + 2 = 22$	22
$22 \times 1.5 + 3 = 36$	36
$36 \times 1.5 + 4 = 58$	58
$58 \times 1.5 + 5 = 92$	92
$92 \times 1.5 + 6 = 144$	<b>144</b> ✓

Hence, option (A) is correct.

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4.

Series Pattern	Given Series
6	6
$6 + 6^1 = 12$	12
$12 + 6^2 = 48$	48
$48 + 6^3 = 264$	264
$264 + 6^4 = 1560$	1560
$1560 + 6^5 = 9336$	<b>9336</b> ✓

Hence, option (D) is correct.

5.

Series Pattern	Given Series
10	10
$10 + 2! = 12$	12
$12 + 3! = 18$	18
$18 + 4! = 42$	42
$42 + 5! = 162$	162
$162 + 6! = 882$	<b>882</b> ✓

Hence, option (E) is correct.

6.

Series Pattern	Given Series
2	2
$2 \times 1 + 6$	8
$8 \times 2 + 12$	28
$28 \times 3 + 18$	102
$102 \times 4 + 24$	432
$432 \times 5 + 30$	<b>2190</b> ✓

Hence, option (C) is correct.

07.

Series Pattern	Given Series
6	6
$6 \times 3 - 2$	16
$16 \times 3 - 4$	44
$44 \times 3 - 6$	126
$126 \times 3 - 8$	370
$370 \times 3 - 10$	<b>1100</b> ✓

Hence, option (A) is correct.

8.

Series Pattern	Given Series
51	51
$51 + (5^2 + 1^2) = 77$	77
$77 + (7^2 + 7^2) = 175$	175
$175 + (1^2 + 7^2 + 5^2) = 250$	250
$250 + (2^2 + 5^2 + 0^2) = 279$	279
$279 + (2^2 + 7^2 + 9^2) = 413$	<b>413</b> ✓

Hence, option (B) is correct.

9.

Series Pattern	Given Series
2	2
$2 \times 0.5 + 1$	2
$2 \times 1.5 + 2$	5
$5 \times 2.5 + 3$	15.5
$15.5 \times 3.5 + 4$	<b>58.25</b> ✓
$58.25 \times 4.5 + 5$	267.125

Hence, option (A) is correct.

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10.

Series Pattern	Given Series
219	219
$219 + (1^2 + 1 + 2) = 223$	223
$223 + (2^2 + 2 + 3) = 232$	232
$232 + (3^2 + 3 + 4) = 248$	248
$248 + (4^2 + 4 + 5) = 273$	<b>273</b> ✓

Hence, option (D) is correct.

Alternate Solution:-

Series Pattern	Given Series
219	219
$219 + (2^2) = 223$	223
$223 + (3^2) = 232$	232
$232 + (4^2) = 248$	248
$248 + (5^2) = 273$	<b>273</b> ✓

Hence, option (D) is correct.



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