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Number series Questions for Bank Clerk Pre & RRB Exams.

Number series Quiz 11

Directions: Find the missing element in the given series:

1. 4 17 43 95 ? 407

- A. 205 B. 221 C. 196 D. 200 E. 199

2. 17 28 42 65 115 ?

- A. 146 B. 181 C. 246 D. 301 E. None of these

3. 521 517 505 469 ? 37

- A. 324 B. 361 C. 296 D. 413 E. None of these

4. 6 29 181 1457 14581 ?

- A. 172108 B. 163407 C. 164581 D. 174958 E. 174985

5. 0 6 24 60 120 ?

- A. 312 B. 255 C. 272 D. 210 E. 246

6. 9 14 21 30 43 ?

- A. 96 B. 76 C. 56 D. 68 E. None of these

7. 30240 4320 720 144 36 ?

- A. 18 B. 0 C. 6 D. 12 E. None of these

8. 7 17 55 225 ? 6793

- A. 961 B. 1131 C. 1031 D. 1231 E. None of these

9. 23 68 202 603 1805 ?

- A. 5410 B. 6560 C. 3610 D. 5415 E. None of these

10. 3 6 13 28 ? 122

- A. 95 B. 56 C. 106 D. 59 E. 72

Correct Answers:

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

Explanations:

1.

Series Pattern Given Series

4	4	
4 + 13	17	
17 + 26	43	
43 + 52	95	
95 + 104	199	✓
199 + 208	407	

Hence, option E is correct.

2.

Series I : 17 28 42 65 115 ?**Series II** : 11 14 23 50 ?**Series III** : 3 9 27 ?**Series IV** : ×3 ×3 ×3

Clearly, the pattern in series IV is multiply by 3.

So, the missing term in series III = $27 \times 3 = 81$ ∴ missing term in series II = $50 + 81 = 131$;∴ missing term in series I = $115 + 131 = 246$:**Series I** : 17 28 42 65 115 **246****Series II** : 11 14 23 50 **131****Series III** : 3 9 27 **81****Series IV** : ×3 ×3 ×3

Hence, option C is correct.

3.

Series I : 521 517 505 469 ? 37**Series II** : -4 -12 -36 -108 ?**Series III**: ×3 ×3 ×3 ?

Clearly, the pattern in series III is multiplied by 3.

So, the missing term in series II = $108 \times 3 = 324$ ∴ missing term in series I = $469 - 108 = 361$ **Series I** : 521 517 505 469 **361** 37**Series II** : -4 -12 -36 -108 **-324****Series III**: ×3 ×3 ×3 ×3

Hence, option B is correct.

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4.

Series Pattern	Given Series
6	6
$6 \times 4 + 5$	29
$29 \times 6 + 7$	181
$181 \times 8 + 9$	1457
$1457 \times 10 + 11$	14581
$14581 \times 12 + 13$	174985 ✓

Hence, option E is correct.

5.

Series Pattern	Given Series
$1^2 \times 1 - 1$	0
$2^2 \times 2 - 2$	6
$3^2 \times 3 - 3$	24
$4^2 \times 4 - 4$	60
$5^2 \times 5 - 5$	120
$6^2 \times 6 - 6$	210 ✓

Hence, option D is correct.

6.

Series I : 9 14 21 30 43 ?

Series II : 5 7 9 13 ?

Series III : 2 2 4 ?

Series IV : $\times 1$ $\times 2$ $\times 3$

Clearly, the pattern in series IV is multiples of $\times 1, \times 2, \dots$

So, the missing term in series III = $4 \times 3 = 12$

\therefore missing term in series II = $13 + 12 = 25$;

\therefore missing term in series I = $43 + 25 = 68$.

Series I : 9 14 21 30 43 **68**

Series II : 5 7 9 13 **25**

Series III : 2 2 4 **12**

Series IV : $\times 1$ $\times 2$ $\times 3$

Hence, option D is correct.

7.

Series Pattern	Series
30240	30240
$30240 \div 7$	4320
$4320 \div 6$	720
$720 \div 5$	144
$144 \div 4$	36
$36 \div 3$	12 ✓

Hence, option D is correct.

8.

Series Pattern	Given Series
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7	7
---	---

$7 \times 2 + 3$	17
------------------	----

$17 \times 3 + 4$	55
-------------------	----

$55 \times 4 + 5$	225
-------------------	-----

$225 \times 5 + 6$	1131 ✓
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$1131 \times 6 + 7$	6793
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Hence, option B is correct.

9.

Series Pattern	Given Series
----------------	--------------

23	23
----	----

$23 \times 3 - 1$	68
-------------------	----

$68 \times 3 - 2$	202
-------------------	-----

$202 \times 3 - 3$	603
--------------------	-----

$603 \times 3 - 4$	1805
--------------------	------

$1805 \times 3 - 5$	5410 ✓
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Hence, option A is correct.

10.

Series Pattern	Given Series
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3	3
---	---

$3 \times 2 + 0$	6
------------------	---

$6 \times 2 + 1$	13
------------------	----

$13 \times 2 + 2$	28
-------------------	----

$28 \times 2 + 3$	59 ✓
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$59 \times 2 + 4$	122
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Hence, option D is correct.

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