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Number series Questions for Bank Clerk Pre & RRB Exams.

Number series Quiz 10

Directions: Find the missing element in the given series:

1. 126 144 110 128 78 ? 14 32

A. 102 B. 96 C. 114 D. 84 E. 70

2. 82 206 394 614 ? 1094

A. 920 B. 875 C. 850 D. 905 E. 814

3. 567 126 36 14.4 9.6 ?

A. 16.5 B. 17.9 C. 21.5 D. 18.3 E. None of these

4. 15 16 36 117 ? 2445

A. 359 B. 645 C. 246 D. 484 E. None of these

5. 141 221 286 334 ? 395

A. 371 B. 369 C. 271 D. 354 E. 299

6. 6 ? 49 201 1011 6073

A. 18 B. 22 C. 20 D. 15 E. None of these

7. 13 94 606 655 ? 896

A. 771 B. 861 C. 951 D. 841 E. None of these

8. 3 26 15 124 ? 342

A. 224 B. 35 C. 295 D. 65 E. None of these

9. 25 57 94 141 ? 285

A. 213 B. 209 C. 203 D. 230 E. None of these

10. 19 40 67 101 143 ?

A. 164 B. 174 C. 194 D. 184 E. 204

Correct Answers:

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

Explanations:

1. There are two series in this question.

I. 126 110 78 14

$$126 - 16 = 110, 110 - 32 = 78, 78 - 64 = 14$$

II. 144 128 ? 32

$$144 - 16 = 128, 128 - 32 = 96, 96 - 64 = 32$$

Hence, option B is correct.

2.

Series I : 82 206 394 614 ? 1094

Series II : 124 188 220 236 ?

Series III : 64 32 16 ?

Series IV : ÷2 ÷2 ÷2

Clearly, the pattern in series IV is divide by 2.

So, the missing term in series III = $16 \div 2 = 8$

∴ missing term in series II = $236 + 8 = 244$;

∴ missing term in series I = $614 + 236 = 850$.

Series I : 82 206 394 614 **850** 1094

Series II : 124 188 220 **236** **244**

Series III : 64 32 16 **8**

Series IV : ÷2 ÷2 ÷2

Hence, option C is correct.

3.

Series Pattern Given Series

567 567

$567 \div 4.5$ 126

$126 \div 3.5$ 36

$36 \div 2.5$ 14.4

$14.4 \div 1.5$ 9.6

$9.6 \div .5$ **19.2** ✓

Hence, option E is correct.

4.

Series Pattern **Given Series**

15	15
$15 \times 1 + 1^2$	16
$16 \times 2 + 2^2$	36
$36 \times 3 + 3^2$	117
$117 \times 4 + 4^2$	484 ✓
$484 \times 5 + 5^2$	2445

Hence, option D is correct.

5.

Series Pattern **Given Series**

141	141
$141 + 9^2 - 1$	221
$221 + 8^2 + 1$	286
$286 + 7^2 - 1$	334
$334 + 6^2 + 1$	371 ✓
$371 + 5^2 - 1$	395

Hence, option A is correct.

6.

Series Pattern **Given Series**

6	6
$6 \times 2 + 3$	15 ✓
$15 \times 3 + 4$	49
$49 \times 4 + 5$	201
$201 \times 5 + 6$	1011
$1011 \times 6 + 7$	6073

Hence, option D is correct.

7.

Series Pattern **Series**

13	13
$13 + 9^2$	94
$94 + 8^3$	606
$606 + 7^2$	655
$655 + 6^3$	871 ✓
$871 + 5^2$	896

Hence, option E is correct.

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8.

Series Pattern **Given Series**

$2^2 - 1$	3	
$3^3 - 1$	26	
$4^2 - 1$	15	
$5^3 - 1$	124	
$6^2 - 1$	35	✓
$7^3 - 1$	342	

Hence, option B is correct.

9.

Series I : 25 57 94 141 ? 285

Series II : +32 +37 +47 ? ?

Series III : +5 +10 +15 ?

Series IV : +5 +5 +5

Clearly, the pattern in series IV is addition of 5.

So, the missing term in series III = $15 + 5 = 20$

∴ missing term in series II = $47 + 15 = 62$, $62 + 20 = 82$;

∴ missing term in series I = $141 + 62 = 203$

Series I : 25 57 94 141 **203** 285

Series II : +32 +37 +47 **+62** **+82**

Series III : +5 +10 +15 **+20**

Series IV : +5 +5 +5

Hence, option C is correct.

10.

Series I : 19 40 67 101 143 ?

Series II : +21 +27 +34 +42 ?

Series III: +6 +7 +8 ?

Clearly, the pattern in series III is addition by 6, 7, 8, 9.

So, the missing term in series II = $42 + 9 = 51$

∴ missing term in series I = $143 + 51 = 194$

Series I : 19 40 67 101 143 **194**

Series II : +21 +27 +34 +42 **+51**

Series III: +6 +7 +8 **+9**

Hence, option C is correct.



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