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

Number series Quiz 3

Directions: Find the missing element in the given series:

1. 24, 12, 12, 18, ?, 90

A. 40 B. 38 C. 36 D. 45 E. None of these

2. 13, 19, 30, 48, 75, ?

A. 107 B. 108 C. 116 D. 112 E. 113

3. 2, 8, 26, ?, 242

A. 78 B. 72 C. 82 D. 84 E. None of these

4. 7, 13, ?, 49, 97

A. 27 B. 25 C. 23 D. 29 E. None of these

5. 5, 16, 49, 104, ?, 280

A. 165 B. 160 C. 171 D. 181 E. 175

6. 3, 4, 12, ?, 196

A. 45 B. 40 C. 41 D. 49 E. None of these

7. 5, 3, 6, ?, 64.75

A. 15 B. 15.5 C. 17.5 D. 17.25 E. None of these

8. 9, 17, ?, 65, 129

A. 27 B. 25 C. 23 D. 29 E. None of these

9. 8, 17, 30, 47, 68, ?

A. 83 B. 93 C. 98 D. 95 E. None of these

10. 125, 128, 119, 146, 65, ?

A. 308 B. 316 C. 298 D. 294 E. 264

Correct Answers:

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

Explanations:

1.

Series Pattern	Given Series
24	24
$24 \times \frac{1}{2} = 12$	12
$12 \times 1 = 12$	12
$12 \times \frac{3}{2} = 18$	18
$18 \times 2 = 36$	36 ✓
$36 \times \frac{5}{2} = 90$	90

Hence, option C is correct.

2.

Series Pattern	Given Series
13	13
$13 + (3 + 3) = 19$	19
$19 + (6 + 5) = 30$	30
$30 + (11 + 7) = 48$	48
$48 + (18 + 9) = 75$	75
$75 + (27 + 11) = 113$	113 ✓

Hence, option E is correct.

3.

Series Pattern	Given Series
2	2
$2 \times 3 + 2 = 8$	8
$8 \times 3 + 2 = 26$	26
$26 \times 3 + 2 = 80$	80 ✓
$80 \times 3 + 2 = 242$	242

Hence, option E is correct.

4.

Series Pattern **Given Series**

7	7	
$7 \times 2 - 1 = 13$	13	
$13 \times 2 - 1 = 25$	25	✓
$25 \times 2 - 1 = 49$	49	
$49 \times 2 - 1 = 97$	97	

Hence, option B is correct.

5.

Series Pattern **Given Series**

5	5	
$5 + (11 \times 1) = 16$	16	
$16 + (11 \times 3) = 49$	49	
$49 + (11 \times 5) = 104$	104	
$104 + (11 \times 7) = 181$	181	✓
$181 + (11 \times 9) = 280$	1	

Hence, option D is correct.

6.

Series Pattern **Given Series**

3	3	
$3 \times 1 + 1^2 = 4$	4	
$4 \times 2 + 2^2 = 12$	12	
$12 \times 3 + 3^2 = 45$	45	✓
$45 \times 4 + 4^2 = 196$	196	

Hence, option A is correct.

7.

Series Pattern **Given Series**

5	5	
$5 \times 0.5 + 0.5 = 3$	3	
$3 \times 1.5 + 1.5 = 6$	6	
$6 \times 2.5 + 2.5 = 17.5$	17.5	✓
$17.5 \times 3.5 + 3.5 = 64.75$	64.75	

Hence, option C is correct.

8.

Series Pattern	Given Series
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9	9
$9 \times 2 - 1 = 17$	17
$17 \times 2 - 1 = 33$	33 ✓
$33 \times 2 - 1 = 65$	65
$65 \times 2 - 1 = 129$	129

Hence, option E is correct.

9.

Series Pattern	Given Series
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8	8
$8 + 9 = 17$	17
$17 + (9 + 4) = 30$	30
$30 + (13 + 4) = 47$	47
$47 + (17 + 4) = 68$	68
$68 + (21 + 4) = 93$	93 ✓

Hence, option B is correct.

10.

Series Pattern	Given Series
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125	125
$125 + 3 = 128$	128
$128 - 3^2 = 119$	119
$119 + 3^3 = 146$	146
$146 - 3^4 = 65$	65
$65 + 3^5 = 308$	308 ✓

Hence, option A is correct.



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