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Number Series Questions for IBPS RRB Scale - I (Mains), IBPS PO (Mains) and SBI Clerk (Mains) Exams.

Number Series Quiz 67

Directions : Read the following questions carefully and choose the right answer.

1. A series is 4, 5, 12, 39, 160. Another series which follows same pattern is 7, __, __, __, n. Then n = ?
A. 1165 B. 1120 C. 1140 D. 1180 E. 1175
2. A series is 12, 41, 72, 109, 150. Another series which follows same pattern is 5, __, __, __, n. Then n = ?
A. 179 B. 172 C. 186 D. 175 E. 182
3. If 17, 24, 37, 48,n form a series where n = 8th term of series then find the value of n.
A. 114 B. 120 C. 124 D. 118 E. 126
4. If 4, 11, 25, 46,n form a series where n = 10th term of series then find the value of n.
A. 312 B. 319 C. 324 D. 321 E. 315
5. A number series is 17, 33, 51, 81, 144, 243. Another series which follow the same pattern is 5, __, __, __, __, m. Find the value for m.
A. 215 B. 225 C. 186 D. 231 E. 286
6. A number series is 2, 8, 40, 336, 5408. Another series which follows the same pattern is 3, __, __, __, m. Find the value of m.
A. 6032 B. 6400 C. 6432 D. 6632 E. 6264



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7. A number series is 5, 12, 55, 276, 1827. Another series which follows the same pattern is 3, __, __, __, m. Find the value of m.

- A. 724 B. — 693 C. — 562 D. 834 E. 589

8. Directions: In the following number series you have to identify the wrong number if any.

0.97 3.7 13 36 -44 -1976

- A. 36 B. 3.7 C. 13 D. - 1976 E. - 44

9. Directions: In the following number series you have to identify the wrong number if any.

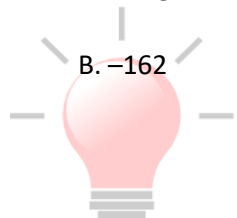
-1 5 19 41 73 109

- A. 109 B. 5 C. 19 D. 41 E. 73

10. Directions: In the following number series you have to identify the wrong number if any.

8 10 12 2 - 34 - 162

- A. 10 B. -162 C. 12 D. -34 E. 2



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Correct Answers:

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

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Explanation:

1. Series I :

Series Pattern Given Series

$4 \times 1 + 1 = 5$	5
$5 \times 2 + 2 = 12$	12
$12 \times 3 + 3 = 39$	39
$39 \times 4 + 4 = 160$	160

Series II :

Series Pattern Given Series

$7 \times 1 + 1 = 8$	8
$8 \times 2 + 2 = 18$	18
$18 \times 3 + 3 = 57$	57
$57 \times 4 + 4 = 232$	232
$232 \times 5 + 5 = 1165$	1165

Hence, option (A) is correct.

2. Series I :

Series Pattern Given Series

$12 + 29 = 41$	41
$41 + 31 = 72$	72
$72 + 37 = 109$	109
$109 + 41 = 150$	150

Series II :

Series Pattern Given Series

$5 + 29 = 34$	34
$34 + 31 = 65$	65
$65 + 37 = 102$	102
$102 + 41 = 143$	143
$143 + 43 = 186$	186

Hence, option (C) is correct.



3.

Series Pattern Given Series

$4^2 + 1 = 17$	17
$5^2 - 1 = 24$	24
$6^2 + 1 = 37$	37
$7^2 - 1 = 48$	48
$8^2 + 1 = 65$	65
$9^2 - 1 = 80$	80
$10^2 + 1 = 101$	101
$11^2 - 1 = 120$	120

n = 120

Hence, option (B) is correct.

4.

Series Pattern Given Series

4	4
$4 + 7 = 11$	11
$11 + 14 = 25$	25
$25 + 21 = 46$	46
$46 + 28 = 74$	74
$74 + 35 = 109$	109
$109 + 42 = 151$	151
$151 + 49 = 200$	200
$200 + 56 = 256$	256
$256 + 63 = 319$	319

Hence, option (B) is correct.



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5.

Series Pattern	Given Series
17	17
$17 + (1 + 7) \times 2 = 33$	33
$33 + (3 + 3) \times 3 = 51$	51
$51 + (5 + 1) \times 5 = 81$	81
$81 + (8 + 1) \times 7 = 144$	144
$144 + (1 + 4 + 4) \times 11 = 243$	243

Series Pattern	Given Series
5	5
$5 + 5 \times 2 = 15$	15
$15 + (1 + 5) \times 3 = 33$	33
$33 + (3 + 3) \times 5 = 63$	63
$63 + (6 + 3) \times 7 = 126$	126
$126 + (1 + 2 + 6) \times 11 = 225$	225

Hence, option (B) is correct.

6.

The given series follow the pattern:

2 -----> 8 -----> 40 -----> 336 -----> 5408.

$x2 + 4$ $x4+8$ $x8 + 16$ $x16 + 32$

If we follow the same pattern

3 -----> 10 -----> 48 -----> 400 -----> 6432.

$x2 + 4$ $x4+8$ $x8 + 16$ $x16 + 32$

Hence, option C is correct



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7. The given series follow the pattern:

$$\begin{array}{cccc}
 5 & \longrightarrow & 12 & \longrightarrow & 55 & \longrightarrow & 276 & \longrightarrow & 1827 \\
 (5 - (1+2^0)) \times 4 & & (16 - (3+2^1)) \times 5 & & (55 - (5+2^2)) \times 6 & & (276 - (7+2^3)) \times 7
 \end{array}$$

If we follow the same pattern

$$\begin{array}{cccc}
 3 & \longrightarrow & 4 & \longrightarrow & -5 & \longrightarrow & -84 & \longrightarrow & -693 \\
 (3 - (1+2^0)) \times 4 & & (4 - (3+2^1)) \times 5 & & (-5 - (5+2^2)) \times 6 & & (-84 - (7+2^3)) \times 7
 \end{array}$$

Hence, option B is correct.

8.

Series Pattern	Given Series	
$4^0 - 0.01 \times 3 = 0.97$	0.97	✓
$4^1 - 0.1 \times 3 = 3.7$	3.7	✓
$4^2 - 1 \times 3 = 13$	13	✓
$4^3 - 10 \times 3 = 34$	36	✗
$4^4 - 100 \times 3 = -44$	-44	✓
$4^5 - 1000 \times 3 = -1976$	-1976	✓

Therefore, there must be 34 in place of 36.

Hence, option A is correct.

9.

Series Pattern	Given Series	
$1 \times 1 - 2 = -1$	-1	✓
$3 \times 3 - 4 = 5$	5	✓
$5 \times 5 - 6 = 19$	19	✓
$7 \times 7 - 8 = 41$	41	✓
$9 \times 9 - 10 = 71$	73	✗
$11 \times 11 - 12 = 109$	109	✓

Therefore, there must be 71 in place of 73.

Hence, option E is correct.

10.

Series Pattern	Given Series	
$7 + 2^1 - 3^0 = 8$	8	✓
$9 + 2^2 - 3^1 = 10$	10	✓
$11 + 2^3 - 3^2 = 10$	12	✗
$13 + 2^4 - 3^3 = 2$	2	✓
$15 + 2^5 - 3^4 = -34$	-34	✓
$17 + 2^6 - 3^5 = -162$	-162	✓

Therefore, there must be 10 in place of 12.

Hence, option C is correct.



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