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

Number series Quiz 2

Directions: Find the wrong term in the given series:

1. **2, 3, 6, 15, 45, 156.5, 630**

A. 3   B. 45   C. 15   D. 6   E. 156.5

2. **36, 20, 12, 8, 6, 5.5, 4.5**

A. 5.5   B. 6   C. 12   D. 20   E. 8

3. **1, 3, 9, 31, 128, 651, 3913**

A. 651   B. 128   C. 31   D. 9   E. 3

4. **2, 3, 10, 40, 172, 885, 5346**

A. 3   B. 855   C. 40   D. 172   E. 10

5. **5, 8, 16, 26, 50, 98, 194**

A. 8   B. 26   C. 50   D. 16   E. 98

6. **8   59   358   1796   7186   21565**

A. 59   B. 358   C. 1796   D. 7186   E. 21565

7. **1250   1201   1166   1140   1124   1115   1111**

A. 1111   B. 1201   C. 1140   D. 1166   E. 1124

8. **12   7   8   13   27   69   206.5**

A. 13   B. 69   C. 27   D. 8   E. 206.5

9. **17   23   35   59   108   203   395**

A. 395   B. 23   C. 108   D. 59   E. 35

10. **221   230   256   320   445   661   1004**

A. 320   B. 256   C. 445   D. 230   E. 661

Correct Answers:

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

Explanations:

1. The series pattern is × 1.5, × 2, × 2.5, × 3, × 3.5, × 4.

Series Pattern	Given Series	
2	2	✓
2 × 1.5 = 3	3	✓
3 × 2 = 6	6	✓
6 × 2.5 = 15	15	✓
15 × 3 = 45	45	✓
45 × 3.5 = 157.5	156.5	✗
157.5 × 4 = 630	630	✓

Hence, there should be 157.5 in place of 156.5.

Hence, option E is correct.

2. The series is –16, –8, –4, –2, –1, –0.5, and so on.

Series Pattern	Given Series	
36	36	✓
36 – 16 = 20	20	✓
20 – 8 = 12	12	✓
12 – 4 = 8	8	✓
8 – 2 = 6	6	✓
6 – 1 = 5	5.5	✗
5 – 0.5 = 4.5	4.5	✓

Hence, there should be 5 in place of 5.5.

Hence, option A is correct.

3. The series is ×1+2, ×2+3, ×3+4, and so on.

Series Pattern	Given Series	
1	1	✓
1 × 1 + 2 = 3	3	✓
3 × 2 + 3 = 9	9	✓
9 × 3 + 4 = 31	31	✓
31 × 4 + 5 = 129	128	✗
129 × 5 + 6 = 651	651	✓
651 × 6 + 7 = 3913	3913	✓

Hence, there should be 129 in place of 128.

Hence, option B is correct.

4. The series is $\times 1 + 1^2$, $\times 2 + 2^2$, $\times 3 + 3^2$, and so on.

Series Pattern	Given Series	
2	2	✓
$2 \times 1 + 1^2 = 3$	3	✓
$3 \times 2 + 2^2 = 10$	10	✓
$10 \times 3 + 3^2 = 39$	40	✗
$39 \times 4 + 4^2 = 172$	172	✓
$172 \times 5 + 5^2 = 885$	885	✓
$885 \times 6 + 6^2 = 5346$	5346	✓

Hence, there should be 39 in place of 40.
Hence, option C is correct.

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5. The series is $\times 2 - 2$.

Series Pattern	Given Series	
5	5	✓
$5 \times 2 - 2 = 8$	8	✓
$8 \times 2 - 2 = 14$	16	✗
$14 \times 2 - 2 = 26$	26	✓
$26 \times 2 - 2 = 50$	50	✓
$50 \times 2 - 2 = 98$	98	✓
$98 \times 2 - 2 = 194$	194	✓

Hence, there should be 14 in place of 16.
Hence, option D is correct.

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6. The series pattern is $(\times 7 + 3)$, $(\times 6 + 4)$, $(\times 5 + 5)$…. so on.

Series pattern	Given Series	
8	8	✓
$8 \times 7 + 3 = 59$	59	✓
$59 \times 6 + 4 = 358$	358	✓
$358 \times 5 + 5 = \mathbf{1795}$	1796	✗
$1795 \times 4 + 6 = 7186$	7186	✓
$7186 \times 3 + 7 = 21565$	21565	✓

Hence, option C is correct.

7. The series is – 7^2, –6^2, –5^2..... so on.

Series pattern	Given Series	
1250	1250	✓
1250 – 7^2 = 1201	1201	✓
1201 – 6^2 = **1165**	1166	✗
1165 – 5^2 = 1140	1140	✓
1140 – 4^2 = 1124	1124	✓
1124 – 3^2 = 1115	1115	✓
1115 – 2^2 = 1111	1111	✓

Therefore, there must be 1165 in place of 1166.
Hence, option D is correct.

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8. The pattern of the series is (×0.5+1), (×1+1), (×1.5+5).... so on.

Series pattern	Given Series	
12	12	✓
12 × 0.5 + 1 = 7	7	✓
7 × 1 + 1 = 8	8	✓
8 × 1.5 + 1 = 13	13	✓
13 × 2 + 1 = 27	27	✓
27 × 2.5 + 1 = 68.5	69	✗
68.5 × 3 + 1 = 206.5	206.5	✓

Hence, option B is correct.

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9. The pattern of the series is +6, +12, +24, +48... so on.

Series pattern	Given Series	
17	17	✓
17 + 6 = 23	23	✓
23 + 12 = 35	35	✓
35 + 24 = 59	59	✓
59 + 48 = 107	108	✗
107 + 96 = 203	203	✓
203 + 192 = 395	395	✓

Hence, option C is correct.

10. The pattern of the series is $+2^3$, $+3^3$, $+4^3$, $+5^3$.... so on.

Series pattern	Given Series	
221	221	✓
$221 + (2)^3 = 229$	230	✗
$229 + (3)^3 = 256$	256	✓
$256 + (4)^3 = 320$	320	✓
$320 + (5)^3 = 445$	445	✓
$445 + (6)^3 = 661$	661	✓
$661 + (7)^3 = 1004$	1004	✓

Hence, option D is correct.
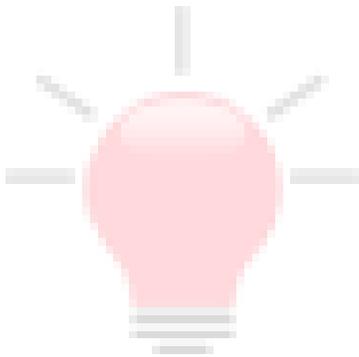
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