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Number series Questions for Bank Exams.

Number series Quiz 6

Directions: Find the missing element in the given series:

(1). 860, 739, 658, 609, ?, 575

A. 584 B. 600 C. 548 D. 540 E. 564

(2). 3, 13, 39, 89, ?, 293

A. 172 B. 171 C. 182 D. 181 E. 201

(3). 10, 15, 24, ?, 54, 75, 100

A. 35 B. 37 C. 29 D. 41 E. 33

(4). 1, 3, 4, 7, 11, 18, ?, 47

A. 25 B. 28 C. 29 D. 31 E. 33

(5). 3, 2, 3, 6, ?, 37.5, 115.5

A. 11 B. 3 C. 6 D. 12 E. 14

(6). 2, 8, ?, 148, 765, 4626, 32431

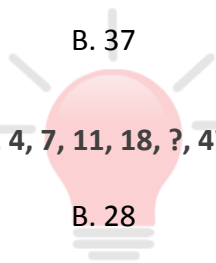
A. 16 B. 12 C. 14 D. 33 E. 32

(7). 2, 3, 11, 38, 102, ?, 443

A. 157 B. 227 C. 231 D. 229 E. 193

(8). 6, 13, 28, 59, ?, 249

A. 124 B. 122 C. 120 D. 118 E. None of these



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(9). 14, 12, 21, 59, 231, ?, 6887

A. 1029

B. 1149

C. 729

D. 1219

E. 1049

(10). 1331, 2197, 3375, 4913, ?, 9261, 12167

A. 6859

B. 648

C. 8216

D. 7261

E. None of these



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Correct Answers:

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

Explanations:

1.

Series Pattern Given Series

$$\begin{array}{ll} 860 & 860 \\ 860 - 11^2 = 739 & 739 \\ 739 - 9^2 = 658 & 658 \\ 658 - 7^2 = 609 & 609 \\ 609 - 5^2 = 584 & 584 \\ 584 - 3^2 = 575 & \mathbf{575} \quad \checkmark \end{array}$$

Hence, option A is correct.

2.

Series Pattern Given Series

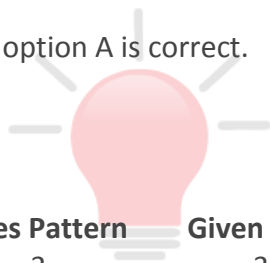
$$\begin{array}{ll} 3 & 3 \\ 3 + (3^2 + 1) = 13 & 13 \\ 13 + (5^2 + 1) = 39 & 39 \\ 39 + (7^2 + 1) = 89 & 89 \\ 89 + (9^2 + 1) = 171 & \mathbf{171} \quad \checkmark \\ 171 + (11^2 + 1) = 293 & 293 \end{array}$$

Hence, option B is correct..

3.

Series Pattern Given Series

$$\begin{array}{ll} 10 & 10 \\ 10 + 5 = 15 & 15 \\ 15 + 9 = 24 & 24 \\ 24 + 13 = 37 & \mathbf{37} \quad \checkmark \\ 37 + 17 = 54 & 54 \\ 54 + 21 = 75 & 75 \\ 75 + 25 = 100 & 100 \end{array}$$



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Hence, there should be 37 in place of ?.

Hence, option B is correct.

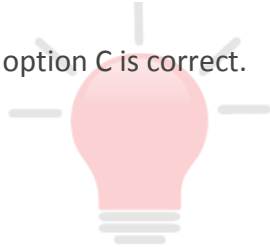
4.

Series Pattern **Given Series**

1	1
3	3
$1 + 3 = 4$	4
$4 + 3 = 7$	7
$7 + 4 = 11$	11
$11 + 7 = 18$	18
$18 + 11 = 29$	29 ✓
$29 + 18 = 47$	47

Hence, there should be 29 in place of ?.

Hence, option C is correct.



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5.

The series is $\times 0.5 + 0.5$, $\times 1 + 1$, $\times 1.5 + 1.5$, ...

Series Pattern	Given Series
3	3
$3 \times 0.5 + 0.5$	2
$2 \times 1 + 1$	3
$3 \times 1.5 + 1.5$	6
$6 \times 2 + 2 = 14$	14 ✓
$14 \times 2.5 + 2.5 = 37.5$	37.5
$37.5 \times 3 + 3 = 115.5$	115.5

Hence, there should be 14 in place of ?.

Hence, option E is correct.

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6.

The series is $\times 2+2^2$, $\times 3+3^2$, $\times 4+4^2$, $\times 5+5^2$...

Series Pattern	Given Series
2	2
$2 \times 2+2^2 = 8$	8
$8 \times 3+3^2 = 33$	33 ✓
$33 \times 4+4^2 = 148$	148
$148 \times 5+5^2 = 765$	765
$765 \times 6+6^2 = 4626$	4626
$4626 \times 7+7^2 = 32431$	32431

Hence, there should be 33 in place of ?.

Hence, option D is correct.

7.

The series is $+1^3$, $+2^3$, $+3^3$, $+4^3$...

Series Pattern	Given Series
2	2
$2 + 1^3 = 3$	3
$3 + 2^3 = 11$	11
$11 + 3^3 = 38$	38
$38 + 4^3 = 102$	102
$102 + 5^3 = 227$	227 ✓
$227 + 6^3 = 443$	443

Hence, there should be 227 in place of ?.

Hence, option B is correct.

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8.

Series Pattern	Given Series
6	6
$6 \times 2 + 1 = 13$	13
$13 \times 2 + 2 = 28$	28
$28 \times 2 + 3 = 59$	59
$59 \times 2 + 4 = 122$	122 ✓
$122 \times 2 + 5 = 249$	249

Hence, there should be 122 in place of ?.

Hence, option B is correct.

9.

Series Pattern	Given Series
14	14
$14 \times 1 - 2 = 12$	12
$12 \times 2 - 3 = 21$	21
$21 \times 3 - 4 = 59$	59
$59 \times 4 - 5 = 231$	231
$231 \times 5 - 6 = 1149$	1149 ✓
$1149 \times 6 - 7 = 6887$	6887

Hence, there should be 1149 in place of ?.

Hence, option B is correct.

10.

Series Pattern	Given Series
$(11)^3$	1331
$(13)^3$	2197
$(15)^3$	3375
$(17)^3$	4913
$(19)^3$	6859 ✓
$(21)^3$	92611
$(23)^3$	12167

Hence, there should be 6859 in place of ?.

Hence, option A is correct.



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