Number Series Questions For IBPS SO PDF

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Instructions
For the following questions answer them individually

Question 1

Instructions: In the following number series only one number is wrong. Find out the wrong number.

7, 12, 40, 222, 1742, 17390, 208608

A 7

B 12

C 40

D 1742

E 208608

Answer: D

Explanation:
(7-1) x 2 = 12
(12 - 2) x 4 = 40
(40 - 3) x 6 = 222
(222 - 4) x 8 = 1744 ≠ 1742
(1744 - 5) x 10 = 17390
(17390 - 6) x 12 = 208608

Question 2

Instructions: In the following number series only one number is wrong. Find out the wrong number.

6, 91, 584, 2935, 11756, 35277, 70558

A 91

B 70558

C 584

D 2935

E 35277

Answer: C

Explanation:
$6 \times 7 + 7^2 = 91$, $91 \times 6 + 6^2 = 582 \neq 584$, $582 \times 5 + 5^2 = 2935$,...

Question 3

Instructions: In the following number series only one number is wrong. Find out the wrong number.

9050, 5675, 3478, 2147, 1418, 1077, 950

A 3478

B 1418

C 5673

D 2147

E 1077

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Answer: E

Explanation:
9070 - 15^3 = 5675 , 5675 - 13^3 = 3478 , 3478 - 11^3 = 2147 , 2147 - 9^3 = 1418 , 1418 - 7^3 = 1075 ≠ 1077 , 1075 - 5^3 = 950

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Question 4

Instructions: In the following number series only one number is wrong. Find out the wrong number.

1, 4, 25, 256, 3125, 46656, 823543

A 3125

B 823543

C 46656

D 25

E 256

Answer: D

Explanation:
1^1 = 1 , 2^2 = 4 , 3^3 = 27 ≠ 25 , 4^4 = 256 , 5^5 = 3125 , 6^6 = 46656 , 7^7 = 823543

Question 5

Instructions: In the following number series only one number is wrong. Find out the wrong number.

8424, 4212, 2106, 1051, 526.5, 263.25, 131.625

A 131.625

B 1051

C 4212

D 8424

E 263.25

Answer: B

Explanation:
$\frac{8424}{2}$ = 4212

$\frac{4212}{2}$ = 2106

$\frac{2106}{2}$ = 1053 ≠ 1051

$\frac{1051}{2}$ = 526.5

$\frac{525.5}{2}$ = 263.25

$\frac{263.25}{2}$ = 131.625

Instructions

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Instructions: In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

Question 6

5531 5506 5425 5304 5135 4910 4621

A 5531

B 5425

C 4621

D 5135

E 5506

Answer: A

Explanation:
5531 - 5^2 = 5506
5506 - 9^2 = 5425
5425 - 11^2 = 5304
5134 - 13^2 = 5135
5135 - 15^2 = 4910
4910 - 17^2 = 4621

Ever number after 5531 has a difference of a square.
Hence 5531 is the wrong number.

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Question 7

6 7 9 13 26 37 68

A 7

B 26

C 69

D 37

E 9

Answer: B

Explanation:
This should be the series.

6 + 1 = 7
7 + 2 = 9
9 + 4 = 13
13 + 8= 21
21 + 16 = 37
37 + 32 = 69
Hence, we can say that 26 is incorrect.

Question 8

1 3 10 36 152 760 4632

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A 3

B 36

C 4632

D 760

E 152

Answer: D

Explanation:
(1 x 1) + 2 = 3
(3 x 2) + 4 = 10
(10 x 3) + 6 = 36
(36 x 4) + 8 = 152
(152 x 5) + 10 = 770 ≠760
(770 x 6) + 12 = 4632

Question 9

4 3 9 34 96 219 435

A 4

B 9

C 34

D 435

E 219

Answer: D

Explanation:
$0^2 + 4 = 4$
$1^2 + 2 = 3$
$3^2 + 0 = 9$
$6^2 - 2 = 34$
$10^2 - 4 = 96$
$15^2 - 6 = 219$
$21^2 - 8 = 433 \neq 435$

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Question 10

157.5 45 15 6 3 2 1

A 1

B 2

C 6

D 157.5

E 45

Answer: A

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Explanation:
157.5 ÷ 3.5 = 45
45 ÷ 3 = 15
15 ÷ 2.5 = 6
6 ÷ 2 = 3
3 ÷ 1.5 = 2
2 ÷ 1 = 2 ≠ 1

Instructions

Find the wrong number in given series sequence.

Question 11

1, 4, 15, 64 325, 1955

A 15

B 64

C 325

D 1955

E None of these

Answer: D

Explanation:
4 = 1*2+2 ; 15 = 4*3+3 ; 64 = 15*4+4 ; 325 = 64*5+5 ; 1956 = 325*6+6

The nth term is of the form,

$T_n = (T_{n-1} \times n) + n$

The last term does not follow the pattern and is thus the wrong number in the sequence.

Question 12

6, 12, 21, 33, 49, 66

A 21

B 33

C 49

D 66

E None of these

Answer: C

Explanation:
2*2+2 = 6 ; 3*3+3 = 12 ; 4*4 + 5= 21 ; 5*5 +8 = 33 ; 6*6 + 12 = 48

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Question 13

6, 11.5, 19, 28.5, 41

A 6

B 11.5

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C 41

D 28.5

E None of these

Answer: C

Explanation:
1.5*2 + 3 = 6

2.5*3 + 4 = 11.5

3.5*4 + 5 = 19

4.5*5 + 6 = 28.5

5.5*6 + 7 = 40

Question 14

5, 26, 82, 214, 401, 702

A 26

B 82

C 214

D 401

E None of these

Answer: C

Explanation:
1*2+3=5 ; 4*5+6 = 26 ; 8*9+10 = 82 ; 13*14+15 = 212 ; 19*20 + 21 =401 ; 26*27 +28 = 702

Question 15

5,20,73,274,1049

A 20

B 73

C 274

D 1049

E None of these

Answer: C

Explanation:
1^2 + 4= 5 ; 2^2 + 16 = 20 ; 3^2 + 64 = 73 ; 4^2 + 256 = 272 ; 5^2 + 1024 = 1049

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