



Most Expected Number Series Questions for IBPS RRB Clerk PDF

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Instructions

Find the wrong number in given series sequence.

Question 1

1, 4, 15, 64, 325, 1955

- A 15
- B 64
- C 325
- D 1955
- E None of these

Answer: D

Explanation:

$4 = 1 \times 2 + 2$; $15 = 4 \times 3 + 3$; $64 = 15 \times 4 + 4$; $325 = 64 \times 5 + 5$; $1956 = 325 \times 6 + 6$

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 2

6, 12, 21, 33, 49, 66

- A 21
- B 33
- C 49
- D 66
- E None of these

Answer: C

Explanation:

$$6+6 = 12$$

$$12+9 = 21$$

$$21+12 = 33$$

$$33+15 = 48$$

$$48+18 = 66.$$

Hence, 49 is wrong number and it should be 48.

Question 3

6, 11.5, 19, 28.5, 41

- A 6
- B 11.5
- C 41
- D 28.5
- E None of these

Answer: C

Explanation:

$$1.5 \times 2 + 3 = 6$$

$$2.5 \times 3 + 4 = 11.5$$

$$3.5 \times 4 + 5 = 19$$

$$4.5 \times 5 + 6 = 28.5$$

$$5.5 \times 6 + 7 = 40$$

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Question 4

5, 26, 82, 214, 401, 702

A 26

B 82

C 214

D 401

E None of these

Answer: C

Explanation:

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

All the numbers except 214 are following a pattern of $n \times (n + 1) + (n + 2)$. Hence, 214 is wrong number.

Question 5

5, 20, 73, 274, 1049

A 20

B 73

C 274

D 1049

E None of these

Answer: C

Explanation:

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

Instructions

For the following questions answer them individually

Question 6

Which number comes in the place of the question mark (?)

16, 25, 36, 49, 64, ?

A 121

- B 100
- C 81
- D 144
- E 196

Answer: C

Explanation:

$$4^2 = 16; 5^2 = 25; 6^2 = 36; 7^2 = 49; 8^2 = 64; 9^2 = 81$$

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Question 7

Which number comes in the place of the question mark (?)

1, 27, 125, 343, ?

- A 512
- B 1000
- C 729
- D 216
- E 1024

Answer: C

Explanation:

$$1^3 = 1; 3^3 = 27; 5^3 = 125; 7^3 = 343; 9^3 = 729$$

Question 8

Which number comes in the place of the question mark (?)

11, 44, 99, 176, ?

- A 274
- B 266
- C 275
- D 265
- E 300

Answer: C

Explanation:

$$1 \times 11 = 11; 2 \times 22 = 44; 3 \times 33 = 99; 4 \times 44 = 176; 5 \times 55 = 275$$

Question 9

Which number comes in the place of the question mark (?)

5, 25, 61, 113, ?

- A 144

- B 181
- C 165
- D 200
- E 245

Answer: B

Explanation:

$$1^2 + 2^2 = 5; 3^2 + 4^2 = 25; 5^2 + 6^2 = 61, 7^2 + 8^2 = 113; 9^2 + 10^2 = 181$$

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Question 10

Which number comes in the place of the question mark (?)

2, 6, 12, 20, 30, ?

- A 50
- B 44
- C 45
- D 42
- E 55

Answer: D

Explanation:

$$2+4=6; 6+6=12; 12+8=20; 20+10=30; 30+12=42$$

Instructions

What should come in place of the question mark (?) in the following number series ?

Question 11

353 354 351 356 349 ?

- A 348
- B 358
- C 338
- D 385
- E 340

Answer: B

Explanation:

There are two arithmetic progression series,

With 353,351,349... having a difference of -2

and 354, 356... having a difference of 2

Hence, the required term is 358

Question 12

1 5 13 29 ? 125 253

- A 83
- B 69
- C 61
- D 65
- E 81

Answer: C

Explanation:

The generalized formula for nth term is, previous term + 2^n

Here the required term is 5th in the series.

Hence, $29 + 2^5 = 61$

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Question 13

45 57 81 117 165 ?

- A 235
- B 215
- C 205
- D 245
- E 225

Answer: E

Explanation:

For the series the nth term is 'last term + $12*(n-1)$ '

In the series, we are required to find, 6th term.

Hence, 6th term is $165+12*(5) = 225$.

Question 14

17 18 26 53 117 ? 458

- A 342
- B 142
- C 257
- D 262
- E 242

Answer: E

Explanation:

Here, each successive nth term is 'previous term + (n-1)³'

We are supposed to find 6th term.

Hence, 6th term = $117 + (6-1)^3 = 117 + 125 = 242$

Question 15

$\frac{1}{4}, 2, 4, 1, 14, 12, 14, ?$

A 2

B 4

C 6

D $\frac{1}{5}$

E $\frac{2}{3}$

Answer: A

Explanation:

The given series is Arithmetic Progression with common difference $\frac{1}{4}$.

Hence, the next term will be $14 + \frac{1}{4} = 2$

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