

BHARAT SCHOOL OF BANKING -NUMBER SERIES

Directions (1-10): What will come in place of the question marks (?) in the following Number series?

1. 0, 6, 24, 60, 120, 210, ?

- A. 336
- B. 349
- C. 312
- D. 337
- E. None of these

2. 11, 14, 19, 22, 27, 30, ?

- A. 39
- B. 34
- C. 36
- D. 35
- E. None of these

3. 6, 12, 21, ?, 48

- A. 33
- B. 39
- C. 36
- D. 31
- E. None of these

4. 18, 22, 30, ?, 78, 142

- A. 44
- B. 35
- C. 46
- D. 48
- E. None of these

5. 73205, 6655, 605, 55, ?

- A. 9
- B. 5
- C. 13
- D. 11
- E. None of these

6. 25, 100, ?, 1600, 6400

- A. 400
- B. 300
- C. 360
- D. 420

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E. None of these

7. 125, ?, 343, 512, 729, 1000

A. 216

B. 215

C. 256

D. 225

E. None of these

8. 1, 9, 125, 343, ?, 1331

A. 730

B. 729

C. 512

D. 772

E. None of these

9. 121, 144, 169, ?, 225

A. 180

B. 172

C. 186

D. 196

E. None of these

10. ?, 2116, 2209, 2304, 2401, 2500

A. 2124

B. 1972

C. 1521

D. 2025

E. None of these

Answers with Explanation:-

1. (A)

The given series is : $1^3 - 1, 2^3 - 2, 3^3 - 3, 4^3 - 4, 5^3 - 5, 6^3 - 6,$

So the missing term = $7^3 - 7 = 343 - 7 = 336$.

2. (D)

The pattern is + 3, + 5, + 3, + 5,

So the missing term is = $30 + 5 = 35$.

3. (A)

The pattern is + 6, + 9, + 12, +15

So the missing term is = $21 + 12 = 33$.

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4. (C)

The pattern is +4, +8, +16, +32, +64

So the missing term is = $30 + 16 = 46$.

5. (B)

$5 \times 11 = 55$, $55 \times 11 = 605$, $605 \times 11 = 6655$, $6655 \times 11 = 73205$

6. (A)

$25 \times 4 = 100$, $100 \times 4 = 400$, $400 \times 4 = 1600$, $1600 \times 4 = 6400$.

7. (A)

$125 = 5^3$, $216 = 6^3$, $343 = 7^3$, $512 = 8^3$, $729 = 9^3$, $1000 = 10^3$.

8. (B)

1^3 , 3^3 , 5^3 , 7^3 , 9^3 , 11^3

9. (D)

$121 = 11^2$, $144 = 12^2$, $169 = 13^2$, $196 = 14^2$, $225 = 15^2$.

10. (D)

$2025 = 45^2$, $2116 = 46^2$, $2304 = 48^2$, $2401 = 49^2$, $2500 = 50^2$