



SBI Clerk Number Series Questions Set-3

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Instructions

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

Question 1

36, 20, ?, 8, 6, 5

- A 10
- B 12
- C 14
- D 16
- E None of these

Answer: B

Explanation:

The pattern here followed is :

$$\frac{36}{2} + 2 = 20$$

$$\frac{20}{2} + 2 = 12$$

$$\frac{12}{2} + 2 = 8$$

$$\frac{8}{2} + 2 = 6$$

$$\frac{6}{2} + 2 = 5$$

Question 2

668, 656, 632, 584, ?, 296

- A 392
- B 438
- C 488
- D 536
- E None of these

Answer: C

Explanation:

The pattern here followed is :

$$668 - 1 * 12 = 656$$

$$656 - 2 * 12 = 632$$

$$632 - 4 * 12 = 584$$

$$584 - 8 * 12 = 488$$

$$488 - 16 * 12 = 296$$

Question 3

1, 121, 441, 961, 1681, ?

- A 2701

- B 2511
- C 2611
- D 2801
- E None of these

Answer: E

Explanation:

The pattern here followed is :

$$1^2 = 1$$

$$11^2 = 121$$

$$21^2 = 441$$

$$31^2 = 961$$

$$41^2 = 1681$$

$$51^2 = 2601$$

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Question 4

9, 49, 201, 1009, ?, 20209, 80841

- A 4054
- B 4049
- C 4050
- D 4041
- E None of these

Answer: D

Explanation:

The pattern here followed is :

$$9 * 5 + 4 = 49$$

$$49 * 4 + 5 = 201$$

$$201 * 5 + 4 = 1009$$

$$1009 * 4 + 5 = 4041$$

$$4041 * 5 + 4 = 20209$$

$$20209 * 4 + 5 = 80841$$

Question 5

31, 35, 44, 60, 85, ?

- A 121
- B 111
- C 109

D 97

E None of these

Answer: A

Explanation:

The pattern here followed is :

$$31 + 2^2 = 35$$

$$35 + 3^2 = 44$$

$$44 + 4^2 = 60$$

$$60 + 5^2 = 85$$

$$85 + 6^2 = 121$$

Instructions

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

Question 6

7, 33, 137, 553, ?, 8873

A 1217

B 2217

C 2117

D 2127

E None of these

Answer: B

Explanation:

The pattern here followed is :

$$7 \times 4 + 5 = 33$$

$$33 \times 4 + 5 = 137$$

$$137 \times 4 + 5 = 553$$

$$553 \times 4 + 5 = 2217$$

$$2217 \times 4 + 5 = 8873$$

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Question 7

8, 56, 336, 2352, 14112, ?

A 98874

B 98784

C 87894

D 84672

E None of these

Answer: B

Explanation:

The pattern followed is :

$$8 \times 7 = 56$$

$$56 \times 6 = 336$$

$$336 \times 7 = 2352$$

$$2352 \times 6 = 14112$$

$$14112 \times 7 = \mathbf{98784}$$

Question 8

5963, ?, 5938, 5913, 5877, 5828

A 5932

B 5940

C 5951

D 5954

E None of these

Answer: D

Explanation:

The pattern here followed is :

$$5963 - 3^2 = \mathbf{5954}$$

$$5954 - 4^2 = 5938$$

$$5938 - 5^2 = 5913$$

$$5913 - 6^2 = 5877$$

$$5877 - 7^2 = 5828$$

Question 9

2916, 972, ?, 108, 36, 12

A 324

B 234

C 248

D 391

E None of these

Answer: A

Explanation:

The pattern here followed is :

$$2916 \div 3 = 972$$

$$972 \div 3 = \mathbf{324}$$

$$324 \div 3 = 108$$

$$108 \div 3 = 36$$

$$36 \div 3 = 12$$

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Question 10

9, 15, 27, 45, 69, ?

A 109

B 99

C 91

D 81

E None of these

Answer: B

Explanation:

The pattern here followed is :

$$9 + 6 * 1 = 15$$

$$15 + 6 * 2 = 27$$

$$27 + 6 * 3 = 45$$

$$45 + 6 * 4 = 69$$

$$69 + 6 * 5 = 99$$

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