Series Completion -Exercise3 (page 1) verbal reasoning

DETAILS CATEGORY: EXERCISE 3 PUBLISHED ON 23 DECEMBER 2012 WRITTEN BY ADMIN HITS: 36

Directions to Solve: This Exercise Contain Series Completion question and answer.Choose the correct alternative that will continue the same pattern and replace the question mark in the given series. So select the correct answer by clicking on Check your answer.

You can download these exercises by clicking on the download button which is present at the right side.

1. 3, 7, 23, 95, ?

A. 62

B. 128

C. 479

D. 575

Answer & Explanation

Answer: Option **C**

Explanation:

The pattern is x 2 + 1, x 3 + 2, x 4 + 3,.....

So, missing term = 95 x 5 + 4 = 479.

View Answer & Explanation

2. 5760, 960, ?, 48, 16, 8

A. 120

B. 160

C. 192

D. 240

Answer & Explanation

Answer: Option **C**

Explanation:

The pattern is Ã· 6, Ã· 5, Ã· 4, Ã· 3, Ã· 2.

So, missing term = 960 - 5 = 192.

View Answer & Explanation

3. Which term of the series 5, 8, 11, 14,.....is 320?

A. 104th

B. 105th

C. 106th

D. 64th

Answer & Explanation

Answer: Option **C**

Explanation:

Clearly, 5 + 3 = 8, 8 + 3 = 11, 11 + 3 = 14, ...

So, the series is an A.P. in which a - 5 and d = 3.

Let 320 be the nth term of the series.

Then, 320 = 5 + (n - 1) x 3 or (n - 1) = 105 or n = 106.

View Answer & Explanation

4. 5, 2, 7, 9, 16, 25, ?

A. 41

B. 45

C. 48

D. 52

Answer & Explanation

Answer: Option **A**

Explanation:

Each term in the series, except the first two terms, is the sum of the preceding two terms.

So, missing term = 16 + 25 = 41.

View Answer & Explanation

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5. 4, 10, ?, 82, 244, 730

A. 24

B. 28

C. 77

D. 218

Answer & Explanation

Answer: Option **B**

Explanation:

Each number in the series is 2 less than thrice the preceding number.

So, missing number = (10 x 3) - 2 = 28.

View Answer & Explanation

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6. **5824, 5242, ?, 4247, 3823**

A. 4467

B. 4718

C. 4856

D. 5164

Answer & Explanation

Answer: Option **B**

Explanation:

Each term in the series is obtained by subtracting from the preceding term the number

formed by the first three digits of the preceding term.

So, missing term = 5242 - 524 = 4718.

View Answer & Explanation

7. **3, 12,27,48, 75, 108,?**

A. 147

B. 162

C. 183

D. 192

Answer & Explanation

Answer: Option **A**

Explanation:

The terms of the given series are 3×1^2, 3×2^2, 3×3^2, 3×4^2, 3×5^2, 3×6^2,.....

So, missing term = $3 \times 7^2 = 3 \times 49 = 147$.

View Answer & Explanation

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8. **1, 5, 13,25,41,?**

A. 51

B. 57

C. 61

D. 63

Answer & Explanation

Answer: Option **C**

Explanation:

The pattern is + 4, + 8, + 12, + 16.....

So, missing term = 41 + 20 = 61.

View Answer & Explanation

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9. **10, 18, 28, 40, 54, 70, ?**

A. 85

B. 86

C. 87

D. 88

Answer & Explanation

Answer: Option **D**

Explanation:

The pattern is + 8, + 10, + 12, + 14, ...

So, missing term = 70 + 18 = 88.

View Answer & Explanation

10. **1, 1, 2, 6, 24, ?, 720**

A. 100

B. 104

C. 108

D. 120

Answer & Explanation

Answer: Option **D**

Explanation:

The pattern is x 1, x 2, x 3, x 4,.....

So, missing term = 24 x 5 = 120.

View Answer & Explanation

Series Completion -Exercise3 (page 3) verbal reasoning

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11. **11, 13, 17, 19, 23, 25, ?**

A. 26

B. 27

C. 29

D. 37

Answer & Explanation

Answer: Option **C**

Explanation:

The pattern is + 2, + 4, + 2, + 4, ...

So, missing term = 25 + 4 = 29.

View Answer & Explanation

12. **4, 12, 36, 108, ?**

A. 144

B. 216

C. 304

D. 324

Answer & Explanation

Answer: Option **D**

Explanation:

The pattern is x 3.

So, missing term = 108 x 3 = 324.

View Answer & Explanation

13. **0.5, 0.55, 0.65,0.8,?**

A. 0.9

B. 0.82

C. 1

D. 0.95

Answer & Explanation

Answer: Option **C**

Explanation:

The pattern is + 0.05, + 0.10, + 0.15,.....

So, missing term = 0.8 + 0.20 = 1.

View Answer & Explanation

14. **4, 7, 12, 19, 28, ?**

A. 30

B. 36

C. 39

D. 49

Answer & Explanation

Answer: Option **C**

Explanation:

The pattern is + 3, + 5, + 7, + 9, ...

So, missing term = 28 + 11 = 39.

View Answer & Explanation

15. **3, 7, 15, ?, 63, 127**

A. 30

B. 31

C. 47

D. 52

Answer & Explanation

Answer: Option **B**

Explanation:

Each number in the series is one more than twice the preceding number.

So, missing term = (15 x 2) + 1 = 31.

View Answer & Explanation

Series Completion -Exercise3 (page 4) verbal reasoning

DETAILS CATEGORY: EXERCISE 3 PUBLISHED ON 23 DECEMBER 2012 WRITTEN BY ADMIN HITS: 37

16. **3, 8, 13, 24, 41, ?**

A. 70

B. 75

C. 80

D. 85

Answer & Explanation

Answer: Option **A**

Explanation:

The pattern followed is : nth term + (n + l)th term + (n + 1) = (n + 2)th term.

Thus, 1st term + 2nd term + 2 = 3rd term; 2nd term + 3rd term + 3 = 4th term and so on.

So, missing term = 6th term = 4th term + 5th term + 5 = 24 + 41 + 5 = 70. Pin it

View Answer & Explanation

17. **4, 9, 25, ?, 121, 169, 289, 361**

A. 49

B. 64

C. 81

D. 87

Answer & Explanation

Answer: Option **A**

Explanation:

The given series consists of squares of consecutive prime numbers

i.e. 2^2, 3^2, 5^2,.....,

11, 13^2, 17^2, 19^2.

So, missing term = 7^2 = 49.

View Answer & Explanation

18. 7, 26, 63, 124, 215, 342, ?

A. 391

B. 421

C. 481

D. 511

Answer & Explanation

Answer: Option **D**

Explanation:

The terms of the given series are $(2^3 - 1)$, $(3^3 - 1)$, $(4^3 - 1)$, $(5^3 - 1)$, $(6^3 - 1)$, $(7^3 - 1)$,.....

So, missing term = $(8^3 - 1)$ = (512 - 1) = 511.

View Answer & Explanation

19. 2, 15, 4, 12, 6, 7, ?, ?

A. 8, 8

B. 8, 0

C. 3, 8

D. None of these

Answer & Explanation

Answer: Option **B**

Explanation:

Let the missing terms of the series be x_1 and x_2.

Thus, the sequence 2, 15, 4, 12, 6, 7, x_1 x_2 is a combination of two series :

I. 2, 4, 6, x_1 and II. 15, 12, 7, x_2I consists of consecutive even numbers.

So, missing term, x_1 = 8.

The pattern in II is - 3, - 5,.....So, missing term, x_2 = 7 - 7 = 0.

View Answer & Explanation

20. 325, 259, 204, 160, 127, 105, ?

A. 94

B. 96

C. 98

D. 100

Answer & Explanation

Answer: Option **A**

Explanation:

The pattern is - 66, - 55, - 44, - 33, - 22, ...

So, missing term = 105 - 11 = 94.

View Answer & Explanation

Series Completion -Exercise3 (page 5) verbal reasoning

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21. **6, 13,28,59,?**

A. 111

B. 113

C. 114

D. 122

Answer & Explanation

Answer: Option **D**

Explanation:

The pattern is x 2 + 1, x 2 + 2, x 2 + 3,.....

So, missing term = 59 x 2 + 4 = 122.

View Answer & Explanation

22. **0, 2, 3, 5, 8, 10, 15, 17, 24, 26, ?**

A. 28

B. 30

C. 32

D. 35

Answer & Explanation

Answer: Option **D**

Explanation:

The given sequence is a combination of two series :

I. 0, 3, 8, 15, 24, ? and II. 2, 5, 10, 17, 26

The pattern in each one of I and II is + 3, + 5, + 7, + 9, ...

So, missing term = 24 + 11 = 35.

View Answer & Explanation

23. 8, 9, 8, 7, 10, 9, 6, 11, 10, ?, 12

A. 5

B. 7

C. 8

D. 11

Answer & Explanation

Answer: Option **A**

Explanation:

The given sequence is a combination of three series :

I. 1st, 4th, 7th, 10th terms i.e. 8, 7, 6, ?

II. 2nd, 5th, 8th, 11th terms i.e. 9, 10, 11, 12

III. 3rd, 6th, 9th terms i.e. 8, 9, 10 The pattern in I is - 1.

So, missing term = 6 - 1 = 5.

View Answer & Explanation

24. 45, 54, 47, ?, 49, 56, 51, 57, 53

A. 48

B. 50

C. 55

D. None of these

Answer & Explanation

Answer: Option **C**

Explanation:

The given sequence is a combination of two series:

I. 45, 47, 49, 51, 53 and II. 54, ?, 56, 57

Clearly, II consists of consecutive natural numbers, starting from 54.

So, missing term = 55.

View Answer & Explanation

25. 5824, 5242, ?, 4247, 3823

A. 4467

B. 4718

C. 4856

D. 5164

Answer & Explanation

Answer: Option **B**

Explanation:

Each term in the series is obtained by subtracting from the preceding term the number

formed by the first three digits of the preceding term.

So, missing term = 5242 - 524 = 4718.

View Answer & Explanation