

## Series Completion - Exercise2 (page 1) verbal reasoning

DETAILS CATEGORY: EXERCISE 2 PUBLISHED ON 22 DECEMBER 2012 WRITTEN BY ADMIN HITS: 37



**Directions to Solve:** This Exercise Contain Series Completion question and answer. In the given series one number is wrong find the wrong number 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. 1, 2, 4, 8, 16, 32, 64, 96

- A. 4
- B. 32
- C. 64
- D. 96

### Answer & Explanation

**Answer:** Option D

**Explanation:**

Each term of the series is obtained by multiplying the preceding term by 2.

So, 96 is wrong and must be replaced by  $(64 \times 2)$  i.e. 128.

 **View Answer & Explanation**

2. 3, 10, 27, 4, 16, 64, 5, 25, 125

- A. 3
- B. 4
- C. 10
- D. 27

### Answer & Explanation

**Answer:** Option C

**Explanation:**

The correct sequence is 3,  $3^2$ ,  $3^3$ , 4,  $4^2$ ,  $4^3$ , 5,  $5^2$ ,  $5^3$ .

So, 10 is wrong and must be replaced by  $3^2$  i.e. 9.

 **View Answer & Explanation**

**3. 196, 169, 144, 121, 101**

- A. 101
- B. 121
- C. 169
- D. 196

 **Answer & Explanation**

**Answer:** Option A

**Explanation:**

The sequence is  $(14)^2$ ,  $(13)^2$ ,  $(12)^2$ ,  $(11)^2$ ,  $(10)^2$ .

So, 101 is wrong and must be replaced by  $(10)^2$  i.e. 100.

 **View Answer & Explanation**

**4. 5, 10, 40, 80, 320, 550, 2560**

- A. 80
- B. 320
- C. 550
- D. 2560

 **Answer & Explanation**

**Answer:** Option C

**Explanation:**

The correct pattern is  $\times 2, \times 4, \times 2, \times 4, \dots$

So, 550 is wrong and must be replaced by  $(320 \times 2)$  i.e. 640.

 [View Answer & Explanation](#)

5. 1,3,12,25,48

- A. 3
- B. 12
- C. 25
- D. 48

 [Answer & Explanation](#)

**Answer:** Option C

**Explanation:**

The terms of the series are  $(1^2 - 0^2), (2^2 - 1^2), (4^2 - 2^2), (6^2 - 3^2)$  and  $(8^2 - 4^2)$ .

So, 25 is wrong and must be replaced by  $(6^2 - 3^2)$  i.e. 27.

 [View Answer & Explanation](#)

---

## Series Completion - Exercise2 (page 2) verbal reasoning

DETAILS CATEGORY: EXERCISE 2 PUBLISHED ON 22 DECEMBER 2012 WRITTEN BY ADMIN HITS: 26



6. 8, 14, 26, 48, 98, 194, 386

- A. 14
- B. 48
- C. 98
- D. 194

### Answer & Explanation

**Answer:** Option B

**Explanation:**

The correct pattern is  $x 2 - 2$ .

So, 48 is wrong and must be replaced by  $(26 \times 2 - 2)$  i.e. 50.

 **View Answer & Explanation**

7. 2, 6, 24, 96, 285, 568, 567

- A. 6
- B. 24
- C. 285
- D. 567

### Answer & Explanation

**Answer:** Option B

**Explanation:**

The correct pattern is  $x 6 - 6, x 5 - 5, x 4 - 4, \dots$

So, 24 is wrong and must be replaced by  $(6 \times 5 - 5)$  i.e. 25.

 [View Answer & Explanation](#)

8. 121, 143, 165, 186, 209

A. 143

B. 165

C. 186

D. 209

 **Answer & Explanation**

**Answer:** Option C

**Explanation:**

Each term in the series is obtained by adding 22 to the preceding term.

So, 186 is wrong and must be replaced by  $(165 + 22)$  i.e. 187.

 [View Answer & Explanation](#)

9. 2, 5, 10, 17, 26, 37, 50, 64

A. 17

B. 26

C. 37

D. 64

 **Answer & Explanation**

**Answer:** Option D

**Explanation:**

The terms of the series are  $(1^2 + 1), (2^2 + 1), (3^2 + 1), (4^2 + 1), (5^2 + 1), (6^2 + 1),$

$(7^2 + 1), \dots$

So, 64 is wrong and must be replaced by  $(8^2 + 1)$  i.e. 65.

 [View Answer & Explanation](#)

---

10. 1, 5, 9, 15, 25, 37, 49

- A. 9
- B. 15
- C. 25
- D. 37

 **Answer & Explanation**

**Answer:** Option B

**Explanation:**

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

So, 15 is wrong and must be replaced by  $(4^2 + 1)$  i.e. 17.

 [View Answer & Explanation](#)

---

www.KnowledgeEarth.com

---

## Series Completion - Exercise2 (page 3) verbal reasoning

DETAILS CATEGORY: EXERCISE 2 PUBLISHED ON 22 DECEMBER 2012 WRITTEN BY ADMIN HITS: 28



11. 2, 5, 10, 50, 500, 5000

- A. 5
- B. 10
- C. 50
- D. 5000

### Answer & Explanation

**Answer:** Option D

**Explanation:**

Each term of the series is the product of the preceding two terms.

So, 5000 is wrong and must be replaced by  $(50 \times 500)$  i.e. 25000.

 **View Answer & Explanation**

12. 8, 13, 21, 32, 47, 63, 83

- A. 13
- B. 21
- C. 32
- D. 47

### Answer & Explanation

**Answer:** Option D

**Explanation:**

The correct pattern is  $+ 5, + 8, + 11, + 14, \dots$

So, 47 is wrong and must be replaced by  $(32 + 14)$  i.e. 46.

 [View Answer & Explanation](#)

13. 3, 2, 8, 9, 13, 22, 18, 32, 23, 42

- A. 8
- B. 9
- C. 13
- D. 22

 **Answer & Explanation**

**Answer:** Option B

**Explanation:**

The given sequence is a combination of two series:

I. 3, 8, 13, 18, 23 and II. 2, 9, 22, 32, 42

The pattern in I is + 5, and the pattern in II is + 10. So, in II, 9 is wrong and must be replaced by  $(2 + 10)$  i.e. 12.

 [View Answer & Explanation](#)

14. 1, 3, 10, 21, 64, 129, 356, 777

- A. 21
- B. 129
- C. 10
- D. 356

 **Answer & Explanation**

**Answer:** Option D

**Explanation:**

The correct pattern is  $x 2 + 1, x 3 + 1, x 2 + 1, x 3 + 1, \dots$

So, 356 is wrong and must be replaced by  $(129 \times 3 + 1)$  i.e. 388.

 [View Answer & Explanation](#)



15. 4, 10, 22, 46, 96, 190, 382

- A. 4
- B. 10
- C. 96
- D. 382

 **Answer & Explanation**

**Answer:** Option C

**Explanation:**

The correct pattern is + 6, + 12, + 24, + 48, + 96, + 192.

So, 96 is wrong and must be replaced by  $(46 + 48)$  i.e. 94.

 **[View Answer & Explanation](#)**

---

www.KnowledgeEarth.com

# Series Completion - Exercise2 (page 4) verbal reasoning

DETAILS CATEGORY: EXERCISE 2 PUBLISHED ON 22 DECEMBER 2012 WRITTEN BY ADMIN HITS: 32



16. 105, 85, 60, 30, 0, - 45, - 90

- A. 105
- B. 60
- C. 0
- D. -45

## Answer & Explanation

**Answer:** Option C

**Explanation:**

The correct pattern is - 20, - 25, - 30,.....

So, 0 is wrong and must be replaced by (30 - 35) i.e. - 5.

 **View Answer & Explanation**

17. 1, 5, 5, 9, 7, 11, 11, 15, 12, 17

- A. 11
- B. 12
- C. 17
- D. 15

## Answer & Explanation

**Answer:** Option B

**Explanation:**

The given sequence is a combination of two series:

I. 1, 5, 7, 11, 12 and II. 5, 9, 11, 15, 17

The pattern in both I and II is  $+ 4, + 2, + 4, + 2$ . So, 12 is wrong and must be replaced by  $(11 + 2)$  i.e. 13.

 [View Answer & Explanation](#)

18. 15, 16, 22, 29, 45, 70

A. 16

B. 22

C. 45

D. 70

 [Answer & Explanation](#)

**Answer:** Option B

**Explanation:**

The correct pattern is  $+ 1, + 4, + 9, + 16, + 25$  i.e.  $+ 1^2, + 2^2, + 3^2, + 4^2, + 5^2$ .

So, 22 is wrong and must be replaced by  $(16 + 4)$  i.e. 20.

 [View Answer & Explanation](#)

19. 3, 4, 10, 32, 136, 685, 4116

A. 10

B. 32

C. 136

D. 4116

 [Answer & Explanation](#)

**Answer:** Option B

**Explanation:**

The correct pattern is  $\times 1 + 1, \times 2 + 2, \times 3 + 3, \times 4 + 4, \dots$

So, 32 is wrong and must be replaced by  $(10 \times 3 + 3)$  i.e. 33.

 [View Answer & Explanation](#)

---

20. 5, 10, 40, 80, 320, 550, 2560

- A. 80
- B. 320
- C. 550
- D. 2560

 **Answer & Explanation**

**Answer:** Option C

**Explanation:**

The correct pattern is  $\times 2, \times 4, \times 2, \times 4, \dots$

So, 550 is wrong and must be replaced by  $(320 \times 2)$  i.e. 640.

 [View Answer & Explanation](#)

---

www.KnowledgeEarth.com

# Series Completion - Exercise2 (page 5) verbal reasoning

DETAILS CATEGORY: EXERCISE 2 PUBLISHED ON 22 DECEMBER 2012 WRITTEN BY ADMIN HITS: 34



21. 11, 5, 20, 12, 40, 26, 74, 54

- A. 5
- B. 20
- C. 40
- D. 26

## Answer & Explanation

**Answer:** Option C

**Explanation:**

The given sequence is a combination of two series :

I. 11, 20, 40, 74 and II. 5, 12, 26, 54

The correct pattern in I is + 9, + 18, + 36,.....

So, 40 is wrong and must be replaced by  $(20 + 18)$  i.e. 38.

 **View Answer & Explanation**

22. 125, 126, 124, 127, 123, 129

- A. 126
- B. 124
- C. 123
- D. 129

## Answer & Explanation

**Answer:** Option D

**Explanation:**

The correct pattern is  $+ 1, - 2, + 3, - 4, + 5$ .

So, 129 is wrong and must be replaced by  $(123 + 5)$  i.e. 128.

 [View Answer & Explanation](#)

23. 6, 15, 35, 77, 165, 221

- A. 35
- B. 77
- C. 165
- D. 221

 [Answer & Explanation](#)

**Answer:** Option C

**Explanation:**

The terms of the series are products of two consecutive prime numbers i.e.  $(2 \times 3)$ ,  
 $(3 \times 5)$ ,  $(5 \times 7)$ ,  $(7 \times 11)$ ,.....

So, 165 is wrong and must be replaced by  $(11 \times 13)$  i.e. 143.

 [View Answer & Explanation](#)

24. 56, 58, 62, 70, 84, 118, 182

- A. 58
- B. 62
- C. 84
- D. 118

 [Answer & Explanation](#)

**Answer:** Option C

**Explanation:**

The correct pattern is  $+ 2, + 4, + 8, + 16, + 32, + 64$  i.e.  $+ 2, + 2^2, + 2^3, + 2^4, + 2^5,$   
 $+ 2^6$ .

So, 84 is wrong and must be replaced by  $(70 + 16)$  i.e. 86.

 [View Answer & Explanation](#)

---

25. 25, 36, 49, 81, 121, 169, 225

- A. 36
- B. 49
- C. 169
- D. 225

 **Answer & Explanation**

**Answer:** Option A

**Explanation:**

The correct sequence is  $5^2, 7^2, 9^2, 11^2, 13^2, 15^2$ . So, 36 is wrong.

 [View Answer & Explanation](#)

---

www.KnowledgeEarth.com

# Series Completion - Exercise2 (page 6) verbal reasoning

DETAILS CATEGORY: EXERCISE 2 PUBLISHED ON 22 DECEMBER 2012 WRITTEN BY ADMIN HITS: 48



26. 10, 26, 74, 218, 654, 1946, 5834

- A. 26
- B. 74
- C. 218
- D. 654

## Answer & Explanation

**Answer:** Option D

**Explanation:**

The correct pattern is  $x 3 - 4$ .

So, 654 is wrong and must be replaced by  $(218 \times 3 - 4)$  i.e. 650.

 **View Answer & Explanation**

27. 0, 2, 3, 5, 8, 10, 15, 18, 24, 26, 35

- A. 18
- B. 24
- C. 26
- D. 10

## Answer & Explanation

**Answer:** Option A

**Explanation:**



The given sequence is a combination of two series:

I. 0, 3, 8, 15, 24, 35 and II. 2, 5, 10, 18, 26

The pattern in both I and II is + 3, + 5, + 7, + 9,.....

So, in II, 18 is wrong and must be replaced by  $(10 + 7)$  i.e. 17.

 [View Answer & Explanation](#)

28. 3, 7, 15, 39, 63, 127, 255, 511

A. 15

B. 39

C. 63

D. 127

 [Answer & Explanation](#)

**Answer:** Option B

**Explanation:**

The correct pattern is  $\times 2 + 1$ .

So, 39 is wrong and must be replaced by  $(15 \times 2 + 1)$  i.e. 31.

 [View Answer & Explanation](#)

29. 89, 78, 86, 80, 85, 82, 83

A. 83

B. 82

C. 86

D. 78

 [Answer & Explanation](#)

**Answer:** Option C

**Explanation:**

The correct pattern is  $- 11, + 9, - 7, + 5, - 3, + 1$ .

So, 86 is wrong and must be replaced by  $(78 + 9)$  i.e. 87.

---

 [View Answer & Explanation](#)

---

**30.** 16, 22, 30, 45, 52, 66

- A. 30
- B. 45
- C. 52
- D. 66

 **Answer & Explanation**

**Answer:** Option **B**

**Explanation:**

The correct pattern is + 6, + 8, + 10, + 12, + 14.

So, 45 is wrong and must be replaced by  $(30 + 10)$  i.e. 40.

 [View Answer & Explanation](#)

---

www.KnowledgeEarth.com

---

## Series Completion - Exercise2 (page 7) verbal reasoning

DETAILS CATEGORY: EXERCISE 2 PUBLISHED ON 22 DECEMBER 2012 WRITTEN BY ADMIN HITS: 30



31. 10, 14, 28, 32, 64, 68, 132

- A. 28
- B. 32
- C. 64
- D. 132

### Answer & Explanation

**Answer:** Option D

**Explanation:**

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

So, 132 is wrong and must be replaced by  $(68 \times 2)$  i.e. 136.

 [View Answer & Explanation](#)

32. 5, 27, 61, 122, 213, 340, 509

- A. 27
- B. 61
- C. 122
- D. 509

### Answer & Explanation

**Answer:** Option A

**Explanation:**

The terms of the series are  $(2^3 - 3)$ ,  $(3^3 - 3)$ ,  $(4^3 - 3)$ ,  $(5^3 - 3)$ ,  $(6^3 - 3)$ ,  $(7^3 - 3)$ ,  $(8^3 - 3)$ .

So, 27 is wrong and must be replaced  $(3^3 - 3)$  i.e. 24.

 [View Answer & Explanation](#)

33. 380, 188, 92, 48, 20, 8, 2

- A. 8
- B. 20
- C. 48
- D. 188

 [Answer & Explanation](#)

**Answer:** Option C

**Explanation:**

The correct pattern is - 192, - 96, - 48, - 24, - 12, - 6.

So, 48 is wrong and must be replaced by  $(92 - 48)$  i.e. 44.

 [View Answer & Explanation](#)

34. 46080, 3840, 384, 48, 24, 2, 1

- A. 384
- B. 48
- C. 24
- D. 2

 [Answer & Explanation](#)

**Answer:** Option C

**Explanation:**

The correct pattern is  $\div 12, \div 10, \div 8, \div 6, \dots$

So, 24 is wrong and must be replaced by  $(48 \div 6)$  i.e. 8.

 [View Answer & Explanation](#)

---

35. 24576, 6144, 1536, 386, 96, 24

- A. 96
- B. 386
- C. 1536
- D. 6144

 **Answer & Explanation**

**Answer:** Option C

**Explanation:**

Each term of the series is obtained by dividing the preceding term by 4.

So, 1536 is wrong and must be replaced by  $(1536 \div 4)$  i.e. 384.

 [View Answer & Explanation](#)

---