

## ***Aptitude :: Odd Man Out and Series***

**Ques1:** 3, 5, 11, 14, 17, 21

- A. 21
- B. 17
- C. 14
- D. 3

**Answer: Option C**

**Explanation:**

Each of the numbers except 14 is an odd number.

The number '14' is the only EVEN number.

**Ques2:** 8, 27, 64, 100, 125, 216, 343

- A. 27
- B. 100
- C. 125
- D. 343

**Answer: Option B**

**Explanation:**

The pattern is 23, 33, 43, 53, 63, 73. But, 100 is not a perfect cube.

**Ques3:** 10, 25, 45, 54, 60, 75, 80

- A. 10
- B. 45
- C. 54
- D. 75

**Answer: Option C**

**Explanation:**

Each of the numbers except 54 is multiple of 5.

**Ques4:** 396, 462, 572, 427, 671, 264

- A. 396
- B. 427
- C. 671
- D. 264

**Answer: Option B**

**Explanation:**

In each number except 427, the middle digit is the sum of other two.

**Ques5:** 6, 9, 15, 21, 24, 28, 30

- A. 28
- B. 21
- C. 24
- D. 30

**Answer: Option A**

**Explanation:**

Each of the numbers except 28, is a multiple of 3.

**Ques6:** 1, 4, 9, 16, 23, 25, 36

- A. 9
- B. 23
- C. 25
- D. 36

**Answer: Option B**

**Explanation:**

Each of the numbers except 23, is perfect square.

**Ques7:** 1, 4, 9, 16, 20, 36, 49

- A. 1
- B. 9
- C. 20
- D. 49

**Answer: Option C**

**Explanation:**

The pattern is 12, 22, 32, 42, 52, 62, 72. But, instead of 52, it is 20 which to be turned out.

**Ques8:** 2, 5, 10, 17, 26, 37, 50, 64

- A. 50
- B. 26
- C. 37
- D. 64

**Answer: Option D**

**Explanation:**

$(1*1)+1$  ,  $(2*2)+1$  ,  $(3*3)+1$  ,  $(4*4)+1$  ,  $(5*5)+1$  ,  $(6*6)+1$  ,  $(7*7)+1$  ,  $(8*8)+1$

But, 64 is out of pattern.

**Ques9:** 10, 14, 16, 18, 21, 24, 26

- A. 26
- B. 24
- C. 21
- D. 18

**Answer: Option C**

**Explanation:**

Each of the numbers except 21 is an even number.

**Ques10:** 16, 25, 36, 72, 144, 196, 225

- A. 36
- B. 72
- C. 196
- D. 225

**Answer: Option B**

**Explanation:**

Each of the numbers except 72 is a perfect square.

**Ques11:** 331, 482, 551, 263, 383, 362, 284

- A. 263
- B. 383
- C. 331
- D. 551

**Answer: Option B**

**Explanation:**

In each number except 383, the product of first and third digits is the middle one.

**Ques12:** 835, 734, 642, 751, 853, 981, 532

- A. 751
- B. 853
- C. 981

D. 532

**Answer: Option A**

**Explanation:**

In each number except 751, the difference of third and first digit is the middle one.

**Ques13:** 41, 43, 47, 53, 61, 71, 73, 81

A. 61

B. 71

C. 73

D. 81

**Answer: Option D**

**Explanation:**

Each of the numbers except 81 is a prime number.

**Ques14:** 3, 5, 7, 12, 17, 19

A. 19

B. 17

C. 5

D. 12

**Answer: Option D**

**Explanation:**

Each of the numbers is a prime number except 12.

**Ques15:** 10, 5, 13, 10, 16, 20, 19, (....)

A. 22

B. 40

C. 38

D. 23

**Answer: Option B**

**Explanation:**

**Ques16:** There are two series (10, 13, 16, 19) and (5, 10, 20, 40), one increasing by 3 and the other multiplied by 2.

2, 4, 12, 48, 240, (....)

A. 960

B. 1440

- C. 1080
- D. 1920

**Answer: Option B**

**Explanation:**

Go on multiplying the given numbers by 2, 3, 4, 5, 6.

So, the correct next number is 1440.

**Ques17:** 78, 7, 11, 12, 14, 17, 17, 22, (.....)

- A. 27
- B. 20
- C. 22
- D. 24

**Answer: Option B**

**Explanation:**

There are two series (8, 11, 14, 17, 20) and (7, 12, 17, 22) increasing by 3 and 5 respectively.

**Ques18:** 7, 8, 18, 57, 228, 1165, 6996

- A. 8
- B. 18
- C. 57
- D. 228
- E. 1165

**Answer: Option D**

**Explanation:**

Let the given numbers be A, B, C, D, E, F, G.

Then,  $A, A \times 1 + 1, B \times 2 + 2, C \times 3 + 3, D \times 4 + 4, E \times 5 + 5, F \times 6 + 6$  are the required numbers.

Clearly, 228 are wrong.

**Ques19:** 1, 1, 2, 6, 24, 96, 720

- A. 720
- B. 96
- C. 24
- D. 6
- E. 2

**Answer: Option B**

**Explanation:**

Go on multiplying with 1, 2, 3, 4, 5, 6 to get next number.

So, 96 is wrong.

**Ques20:** 196, 169, 144, 121, 100, 80, 64

- A. 169
- B. 144
- C. 121
- D. 100
- E. 80

**Answer: Option E**

**Explanation:**

Numbers must be  $(14)^2$ ,  $(13)^2$ ,  $(12)^2$ ,  $(11)^2$ ,  $(10)^2$ ,  $(9)^2$ ,  $(8)^2$ .

So, 80 is wrong.

