IBM Model test paper

IBM Number series questions for practice
Find the odd man out

1 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

2   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

3   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

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4   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

5   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 3Find the odd man out

 6   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

7   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

8   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

9 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

10   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

Find the odd man out

11   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

12   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

13   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

14   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