Crossover Drill - Practice Test - 7 (Quantitative Aptitude) (Self Assessment Test for Placement Drive - 2023 - 24)

* Indicates required question

Crossover Drill - Practice Test - 7 (Quantitative Aptitude) (Self Assessment Test for Placement Drive - 2023 - 24)

In how many possible ways can write 3240 as a product of 3 positive integers a ,b and c.

- (●) 450
- ( ) 420
- ( ) 350
- ( ) 320

Clear selection

On door A - It leads to freedom On door B - It leads to Ghost house On door C - door B leads to Ghost house The statement written on one of the doors is wrong. Identify which door leads to freedom.

- ○ A
- ○ B
- ◉ C
- ○ None of these

Clear selection

17 × 8 m rectangular ground is surrounded by 1.5 m width path. Depth of the path is 12 cm. Gravel is filled and find the quantity of gravel required.

- ○ 5.5
- ○ 7.5
- ○ 6.05
- ◉ 10.08

Clear selection

An old man and a young man are working together in an office and staying together in a near by apartment. The old man takes 30 minutes and the young 20 minutes to walk from apartment to office. If one day the old man started at 10.00 AM and the young man at 10:05AM from the apartment to office, when will they meet?

- (●) 10:15
- ( ) 10:30
- ( ) 10:45
- ( ) 10:00

Clear selection

George walks 36 kms partly at a speed of 4 kms per hour and partly at 3 km per hour If he had walked at a speed of 3km per hour when he had walked at 4 and 4 km per when he had walked at 3 he would have walked only 34 kms. The time (in hours) spent by George in walking was

- ( ) 8
- ( ) 12
- ( ) 5
- (●) 10

Clear selection

Three generous friends, each with some money, redistribute the money as follows: Sandra gives enough money to David and Mary to double the amount of money each has. David then gives enough to Sandra and Mary to double their amounts. Finally, Mary gives enough to Sandra and David to double their amounts. If Mary had 11 rupees at the beginning and 17 rupees at the end, what is the total amount that all three friends have?

- ○ 105
- ○ 60
- ○ 88
- ◉ 71

Clear selection

The perimeter of a equilateral triangle and regular hexagon are equal. Find out the ratio of their areas?

- ○ 3:2
- ◉ 2:3
- ○ 1:6
- ○ 6:1

Clear selection

Which of the following numbers must be added to 5678 to give a reminder 35 when divided by 460?

- ○ 980
- ◉ 797
- ○ 955
- ○ 618

Clear selection

What is the probability of getting sum 3 or 4 when 2 dice are rolled

- ◉ 5/36
- ○ 1/6
- ○ 7/36
- ○ 1/9

Clear selection

The sum of the four consecutive two digit odd numbers, when divided by 10, becomes a perfect square. Which of the following can be one of these four numbers?

- ○ 31
- ○ 25
- ◉ 41
- ○ 67

Clear selection

There are 120 male and 100 female in a society. Out of 25% male and 20% female are rural. 20% of male and 25% of female rural people passed in the exam. What % of rural students have passed the exam?

- ○ 17
- ○ 20
- ○ 21
- ◉ 22

Clear selection

There are 16 teams divided in 4 groups. Every team from each group will play with each other once. The top 2 teams will go to the next round and so on the top two teams will play the final match. Minimum how many matches will be played in that tournament?

- ◉ 43
- ○ 40
- ○ 14
- ○ 50

Clear selection

What is the remainder of (32^31^301) when it is divided by 9?

- ○ 3
- ◉ 5
- ○ 2
- ○ 1

Clear selection

The cost of filling a gas tank at a shop is Rs. 800. If the shopkeeper reduces the price by 15%.The number of his customers increases by 30%. By what % did his revenue decrease/increase.? *

- (●) 10.5%
- ( ) 10%
- ( ) 8%
- ( ) 12.5%

1/7 th of the tank contains fuel. If 22 litres of fuel is poured into the tank the indicator rests at 1/5th mark. What is the quantity of the tank?

- ( ) 360
- (●) 385
- ( ) 420
- ( ) 455

Clear selection

In the given figure, If the sum of the values along each side is equal. Find the possible values a, b, c, d, e, and f.

32	a	b	10
e			f
15	c	d	5

- ( ) 9, 7, 20, 16, 6, 38
- ( ) 4, 9, 10, 13, 16, 38
- (●) 4, 7, 20, 13, 6, 38
- ( ) 4, 7, 20, 16, 6, 33

Clear selection

If a number is divided by 357 the remainder is 5, what will be the remainder if the number is divided by 17?

- ○ 9
- ○ 3
- ◉ 5
- ○ 7

Clear selection

Assume that f(1)=0 and f(m+n)=f(m)+f(n)+4(9mn-1). For all natural numbers (Integers>0)m and n. What is the value of f(17)?

- ○ 5436
- ○ 4831
- ○ 5508
- ◉ 4832

Clear selection

A tree of height 36m is on one edge of a road broke at a certain height. It fell in such a way that the top of the tree touches the other edge of the road. If the breadth of the road is 12m, then what is the height at which the tree broke?

- ◉ 16
- ○ 24
- ○ 12
- ○ 18

Clear selection

Ram and Shakil run a race of 2000 meters. First, Ram gives Shakil a start of 200 meters and beats him by one minute. If, Ram gives Shakil a start of 6 minutes Ram is beaten by 1000 meters. Find the time in minutes in which Ram and Shakil can run the races separately.

- ○ 12, 18
- ○ 10, 12
- ○ 11, 18
- ◉ 8, 10

Clear selection

A girl entered a store and bought x flowers for y dollars (x and y are integers). When she was about to leave, the clerk said, “If you buy 10 more flowers I will give you all for $2, and you will save 80 cents a dozen”. The values of x and y are:

- ○ (15,1)
- ○ (10,1)
- ◉ (5,1)
- ○ Cannot be determined from the given information.

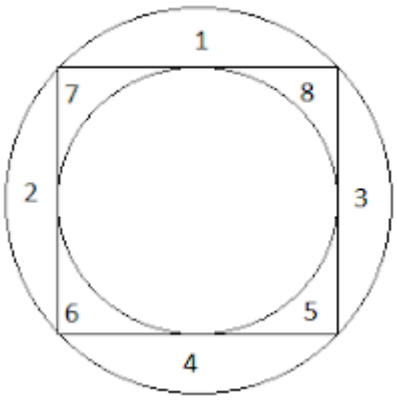
Clear selection

How many 2's are there between the terms 112 to 375?

- ○ 313
- ○ 159
- ◉ 156
- ○ 315

Clear selection

Radius of the bigger circle is 1. Which area will be greater?



- ○ 5
- ◉ 4
- ○ Can not be determined
- ○ None of these

Clear selection

The numbers 272738 and 232342, when divided by n, a two digit number, leave a remainder of 13 and 17 respectively. Find the sum of the digits of n?

- ◉ 7
- ○ 8
- ○ 5
- ○ 4

Clear selection

How many positive integers less than 500 can be formed using the numbers 1,2,3,and 5 for digits, each digit being used only once.

- ○ 52
- ○ 68
- ○ 66
- ◉ 34

Clear selection

A sealed envelope contains a card with a single digit written on it. Three of the following statements are true and one is false.
I. The digit is 1.
II. The digit is not 2.
III. The digit is not 9.
IV. The digit is 8.
Which one of the following must necessarily be correct?

- ○ II is false
- ◉ III is true
- ○ IV is false
- ○ The digit is even.

Clear selection

Back Submit Clear form