Quantitative Aptitude

A show room offers a 10% discount on a microwave, whose marked price is Rs. 8,000, and also gives a blender worth Rs. 1,200 as a complimentary gift with it. Even then, the showroom earns a profit of 20%. The cost price per microwave is:

A. Rs. 7200

B. Rs. 6000

C. Rs. 5000

D. Rs. 4000

Answer:
The cost price per microwave is Rs.5000.

CONNECT

Population of a village is 8000 . if 6%men and 10% women are added the population becomes 8600 then the number of men in the village is ?

A. 800

B. 5000

C. 5060

D. 6000

Answer:

Hence the number of men in the village is 5000.

CONNECT

What sum of money will accumulate to Rs.5300 at 8% rate of interest in 9 months?

a)5000

b)5400

c)4500

d)4000

Answer:

Read Solution (Total 5)

time=9/12 years

i=p*t*r/100

i=p*(9/12)*8/100

=6p/100

p+i=5300

p+6p/100=5300

106p=530000

p=5000

CONNECT

A bird lay to five rounded white egg .suppose the bird lay two eggs What is the probability that first egg hatched is a female bird and the second egg hatched is male bird?

A. ¼

B. ½

C. ¾

D. 2/3

Answer:

A.1/4

CONNECT

$3 \times (4^4 + 4^3 + 4^2 + 4 + 1)$

A. 1019
B. 1029
C. 1026
D. 1023

Answer:

D. 1023

CONNECT

If from a deck of 52 cards,4 cards are selected and 1 card of it should be spade and another should be heart, in how many ways can these cards be selected?

a)13^2*50C2

b)52C4

c)26*50C2

d)13C4

Answer:

A.13^2*50 C 2

CONNECT

If the GCD of $x^2 - (p-1)$ and $x^2 - px + (p-1) = x-1$ then, the value of p is :

A. 4

B. 1

C. 2

D. 3

Answer:

value of p=3.

CONNECT

Largest four digit number which is a multiple of 8,10,12 and 15 is :

Answer:

B.9600

A. 9720

B. 9600

C. 9840

D. 9960

CONNECT

If $2^{x+y} = 2*(2)^{1/2}$ and $2^{x-y} = 2^{1/2}$, the the value of x is :

Answer:
X=1

CONNECT

1. The value of 343 raised to the power $log_7 16$ is:

A. 4096

B. 2401

C. 343

D. 7

CONNECT

In how many ways does the word COMBINATION be arranged so that all the vowels come together?

A. 2520

B. 3780

C. 4960

D. 3500

Answer:

Required number of words = (2520x 3)/2 = 3780.

CONNECT

For the post of 2 receptionist, there are 12 equally qualified candidates.in how many ways they can be selected?

A. 26
B. 66
C. 86
D. 76

Answer:
B.66

CONNECT

A detergent powder company is having a contest.Each pack of 1kg contains one of the letters B, A, M and O. In every 20 packs, there are four Bs, five As, ten Ms and one O. What is the probability that a pack will have a B?

A. ½

B. 1/5

C. ¼

D. 1/10

Answer:
B.1/5

CONNECT

The population of a town three years ago was 'b' and the population of the town three years from now will be 'c'. What is the current population of the town, if it grows at the same rate?

(a) √(bc)

b) b√(c)

(c) c√(b)

(d) b√(b/c)

(e) √(b/c)

Answer:

(a) √(bc)

CONNECT

If $2 \log_4 16 + \log_4 32 - 3\log \sqrt{}_{16} 2 =$ x, the solve for x.

CONNECT

$\text{Log}3\sqrt{}_{27}\, x = 1\ 3/3$, the the value of x is equal to :

CONNECT

If $\log_5 2 = \log_3 m/\log_3 n$, the find the value of m and n

$17^{3} * 17^{5/2} * (17^{3})^{3/2} * (17^{10/7} * (17^{5)3/35} * (17^{6})^{1/7})^{-1} =$

Answer:
11

CONNECT

A man walks 1 km towards west and then he turns towards south and walks 5 km.Again he turns to east and walk 2 km ,after this turns to north and walk 9 km.Now ,how far is he from his startig point?

A. 10km

B. 12m

C. 3km

D. 7km

CONNECT

If $\log_{10}2 = 0.3010$, find the value of $\log_{10}25$.

Answer:

1.3979

CONNECT

A quiz has one mcq question with a,b and c as options. and two questions with true/false answers. what is the probability of giving all 3 answers correct?

A. 1/3

B. ½

C. 1/6

D. 1/12

Answer:
D.1/12

CONNECT

Aakriti is standing on point A facing west.She walks straight for 15 meters and then takes a right turn and walks 8 meters to reach point B. What is the smallest distance between the two points and in which direction of point A does point B lie?

A. 8 meters, North West

B. 15 meters, West

C. 17 meters, North West

D. 17 meters, North- East

Answer:
C.17 meters, North west

CONNECT

The number 456*85 is completely divisible by 3. Smallest whole digit number in place of * can be:

a.0

b.1

c.2

d.3

Answer:
C.2

CONNECT

A man rows a boat at a speed of 5 km/hr in still water. Find the speed of a river if it takes him 1 hr to row a boat to a place 2.4 km away and return back.

A. 2.4 km

B. 2.5 km

C. 3 km

D. 3.6 km

E. None of these

Answer:
C.3km

CONNECT

Without repeating the digits how many 4 digit numbers can be formed using 2,6,7 and 3 when the digits in one's place is smaller than the thousand's place?

A. 6
B. 12
C. 18
D. 24

Answer:

A.6

CONNECT

In a game each person is dealt three cards from a deck of 52 cards & a player is said to have a winning deck if & only if he or she has a king, queen & a jack each , irrespective of the colour of the sign. What is the total possible number of winning decks for this game?

(a)1

(b)4

(c)16

(d)64

(e)128

Answer: d

Explanation:

Here king can be selected in 4C1 ways

And other is queen & jack are also selected in the same way.

So $4C1 \times 4C1 \times 4C1 = 4 \times 4 \times 4 = 64$

CONNECT

Arrange in ascending order $\sqrt{3}$, $(5)^{1/3}$, ½, $(2)^{3/4}$

A. ½, $\sqrt{3}$, $(2)^{3/4}$, $(5)^{1/3}$

B. ½, $(2)^{3/4}$, $(5)^{1/3}$, $\sqrt{3}$

C. ½, $(5)^{1/3}$, $(2)^{3/4}$, $\sqrt{3}$

D. ½, $\sqrt{3}$, $(5)^{1/3}$, $(2)^{3/4}$

E. $(2)^{3/4}$, $(5)^{1/3}$, $\sqrt{3}$, 1/2

Answer:

A.½,√3,(2)^¾,(5)^1/3

CONNECT

In how many ways 10 different beads can be arranged to form a necklace?

A. 10!
B. 9!/2
C. 9!
D. 10!/2

Answer:
B.9!/2

CONNECT

Which is the Closest approximation to the product 0.3333 x 0.25 x 0.499 x 0.125 x 24 ?

Answer:
A.1/8

A . 1/8

B . 3/4

C . 3/8

D . 2/5

CONNECT

If Ruparno is expected to spend Rs. 2,300 on electricity bill in the first 3 months of the year, what amount can be expected to spend on electricity bill for the rest of the year?

A. Rs. 5,400

B. Rs. 5,700

C. Rs 6,200

D. Rs. 6,900

Answer:
D.6,900

CONNECT