Accenture previous placement papers - 2

1. One dog tells the other that there are two dogs in front of me.The other one also shouts that he too had two behind him. How many are they?

Answer: 3

Explanation:

Dog

Dog

Dog

So there are 3 dogs.

They are in circle.

2. In the following questions, the following letters indicate mathematical operations as indicated below:

A: Addition; V: Equal to; S: Subtraction; W:Greater than; M: Multiplication; X: Less than; D: Division

Find Out of the four alternatives given in these questions, only one is correct according to the above letter symbols. Identify the correct one.

See the options given below

A) 6 S 7 A 2 M 3 W 0 D 7

B) 6 A 7 S 2 M 3 W 0 A 7

C) 6 S 7 M 2 S 3 W 0 M 7

D) 6 M 7 S 2 A 3 X 0 D

Answer: A

Explanation:By BODMAS rule

6 – 7 + 3 × 2 > 0/7

3. What will be the output of the following code statements?

Integer a = 10, b = 35, c = 5 print (a × b / c) – c

Answer: 65

Explanation:

Apply BODMAS rule

10 × 35 = $\dfrac{350}{5}$ =70 –5 =65

4. Usually the room tariff in this hotel is higher. At present, it is low because of the _____ season.

a. peak

b. off

c. down

d. slow

e. full

Answer: b

Explanation:

Because of the Off season.

5. The average number of visitors of a library in the first 4 days of a week was 58. The average for the 2nd, 3rd, 4th and 5th days was 60.If the number of visitors on the 1st and 5th days were in the ratio 7:8 then what is the number of visitors on the 5th day of the library?

Answer:64

Explanation

If number of visitors on 1st, 2nd, 3rd, 4th & 5th day are a, b, c, d & e respectively, then

a + b + c + d = 58 × 4 = 232   ----(i) &

b + c + d + e = 60 × 4 = 240   ----(ii)

Subtracting (i) from (ii), e – a = 8 ---(iii)

Given

a/e=7/8 ---(iv)

So from (iii) & (iv) a=56, e=64

6. An exhibition was conducted for 4 weeks. The number of tickets sold in 2nd work week was increased by 20% and increased by 16% in the 3rd work week but decreased by 20% in the 4th work week. Find the number of tickets sold in the beginning, if 1392 tickets were sold in the last week

Answer: 1250

Explanation:

let initially A ticket has been sold.

So now in 2nd week 20% increases so

A × $\frac{120}{100}$

In 3rd week 16% increases so

A × $\frac{120}{100}$ × $\frac{116}{100}$

In 4th week 20% decrease so

A × $\frac{120}{100}$ × $\frac{116}{100}$ × $\frac{120}{100}$ = 1392

A = 1250

7. Limited resolution of early microscopes was one of the reasons of _____ understanding of cells.

1. aided

2. discredited

3. increased

4. contradicted

5. restricted

Answer: 5

Explanation:

it should be restricted because of limited resolution

8. A constructor estimates that 3 people can paint Mr khans house in 4 days. If he uses 4 people instead of 3,how long will they take to complete the job?

a.4

b.2

c.3

d.5

Answer: c

Explanation:

Use formula For a work Members × days = constant

3 × 4 = 4 × a

a = 3

so answer is 3 days

9. The true discount on Rs. 2562 due 4 months hence is Rs. 122. The rate percent is:

A. 12%

B. 40/3%

C. 15%

D. 14%

Answer: C

Explanation:

Ans. C. 15%

The true discount on Rs. 2562 due 4 months hence is Rs. 122.

Therefore Present Worth is = 2562 – 122 = 2440.

It means that Rs. 122 is interest on Rs. 2440 for 4 months.

Therefore rate percent is = (122 × 100 × 12)/(2440 × 4) = 15%

10. Q is as much younger than R as he is older than T. If the sum of the ages of R and T is 50 years, what is definitely the difference between R and Q's age?

A. 1 year

B. 2 years

C. 25 years

D. Data inadequate

E. None of these

Answer: C

Explanation:

Given

R – Q = Q – T and R + T = 50 which gives Q = 25

As the difference between R & Q and Q & T is same

So Answer is 25 years

11. If a certain computer is capable of printing 4900 monthly credit card bills per hour, while a new model is capable of printing at a rate of 6600 per hour, the old model will take approximately how much longer than the new model to print 10000 bills?

Answer: 31 minutes

Explanation:

Old model is capable of printing at a rate of 4900 per hour

New model is capable of printing at a rate of 6600 per hour

Old model time taken to print 10000 cards = 10000/4900 = 100/49

New model time taken to print 10000 cards = 10000/6600 = 100/66

Old model – new model: 100/49 - 100/66 = 1700 /(49 × 66) = 850/(49 × 33) = 0.525 hrs => 31 mins

Therefore, the old model will take approximately 31 mins longer than the new model to print 10000 bills

12. 3 men and 8 women complete a task in same time as 6 men and 2 women do. How much fraction of work will be finished in same time if 4 men and 5 women will do that task.

1) 5/6

2) 6/13

3) 7/9

4) 11/12

5) 11/15

6) 13/14

Answer: 6

Explanation:

3 m + 8 w = 6 m + 2 w

3 m = 6 w

1 m = 2 w

Therefore 3 m + 8 w = 14 w

4 m + 5 w =13 w

Answer is 13/14

13. How can a cake(circular) be cut into 8 pieces by making just 3 cuts?

Explanation:

Cut the cake using three mutually perpendicular planes. It leaves 8 pieces, one each in each octant.

14. A number of cats got together and decided to kill between them 999919 mice. Every cat killed an equal number

of mice. Each cat killed more mice than there were cats. How many cats do you think there were?

Answer:

Explanation: 991

$999919 = 1000000 - 81 = 1000^2 - 9^2 = (1000 + 9)(1000 - 9) = 1009 \times 991$.

Since there were more mice than there were cats, 991 cats killed 1009 mice each.

15. An alloy of zinc and copper contains the metals in the ratio 5 : 3. The quantity of zinc to be added to 6 kg of the alloy so that the ratio of the metal may be 3 : 1 is:

A)3

B)6

C)8

D)9

Answer: C

Explanation:

In sixteen kg of alloy 10 kg of zinc and 6 kg copper is present

To make the ratio 3:1 we must add 8 kg of zinc to make it 18 kg of zinc and 6 kg copper

So answer is 8.

16. A class consists of 100 students, 25 of them are girls and 75 boys; 20 of them are rich and remaining poor; 40 of them are fair complexioned. The probability of selecting a fair complexioned rich girl is

Answer: 1/50

Explanation:

The probability of selecting girl is: 25/100 = 1/4

The probability of selecting rich is: 20/100 = 1/5

The probability of selecting fair complexioned is: 40/100 = 2/5

Three are independent;probability of rich and fair complexioned girl is:

(1/4) ×(1/5) × (2/5) = 1/50

17. If one-third of one-fourth of a number is 15, then three-tenth of that number is:

A. 35

B. 36

C. 45

D. 54

Answer: D

Explanation:

The number is 1/3 of 1/4 is =15 then 1/3 × 1/4 = 15

Number is 180 then 180 × 3/10 = 54

18. 100 oranges are bought at the rate of Rs. 350 and sold at the rate of Rs. 48 per dozen. The percentage of

profit or loss is:

A) 100/7% gain

B) 15% gain

C) 100/7% loss

D) 15 % loss

Answer:A

Explanation:

C.P. of 100 orange=350

S.P. of 12 is 48 i.e, 4 of each now of 100 will be 400

So profit = 400 – 350 = 50

profit = $\dfrac{\text{profit} \times 100\%}{\text{cp}}$ i.e 100/7% gain

19. If 3/p = 6 and 3/q = 15 then p – q = ?

A) 1/3

B) 2/5

C) 3/10

D) 5/6

E) None of the above

Answer: C

Explanation:

$\dfrac{3}{p} = 6$, p = $\dfrac{3}{6} = \dfrac{1}{2}$ and

$\dfrac{3}{q} = 15$, q = $\dfrac{3}{15} = \dfrac{1}{5}$ then

p – q = 1/2 – 1/5 = 3/10

20. Two trains leaving from two station 50 miles away from each other with constant speed of 60 miles per hour,

approaches towards each other on different tracks. if length of each train is 1/6 mile. when they meet How much

time they need to pass each other totally ?

Answer: 10 seconds

Explanation:

The trains are coming towards each other so their relative speed is 60 + 60 = 120 mph

In this case the distance would be addition of lengths of trains.i.e 1/6 + 1/6 = 1/3 m

T = $\dfrac{d}{s}$ = $\dfrac{1/3}{120}$ = $\dfrac{1}{1360}$ h