



Aptitude Questions and Answers from Leading IT Companies for Interview

Q : At what rate percent per annum will a sum of Rs.5000 amount to Rs.6000 in 4 years?

- (A) 5%
- (B) 6%
- (C) 3.5%
- (D) 4%

Correct Answer : A

Q : A certain sum (in Rs.) is invested at simple interest at $x\%$ p.a. for 5 years. Had it been invested at $(x+5)\%$ p.a, the simple interest would have been Rs.9,200 more than the earlier one. What is the sum?

- (A) Rs. 36,800
- (B) Rs. 36,400
- (C) Rs. 35,800
- (D) Rs.40,000

Correct Answer : A

Q : If four coins are tossed together, what is the probability of at least getting 2 heads?

- (A) $\frac{13}{16}$
- (B) $\frac{11}{16}$

(C) $9\sqrt{16}$

(D) $15\sqrt{16}$

(E) None of these

Correct Answer : B

Q : In how many different ways can the letters of the word 'DESIGN' be arranged so that the vowels are at the two ends?

(A) 48

(B) 72

(C) 36

(D) 24

(E) None of these

Correct Answer : A

Q : The value of which one of the following fractions falls in between $\frac{1}{2}$ and $\frac{2}{3}$?

(A) $\frac{1}{3}$

(B) $\frac{1}{4}$

(C) $\frac{1}{5}$

(D) $\frac{1}{6}$

Correct Answer : D

Q : If $\log_2 x = 3$, then the value of y is:

(A) 8

(B) 16

(C) 2

(D)

Correct Answer : A

Q :

An article was sold for Rs.4000. Had a discount of 10% was being offered, the profit would have been 20%. The cost price of the article was:

(A) Rs.3000

(B) Rs.3600

(C) Rs. 3200

(D) Rs. 3310

Correct Answer : A

Q : A discount of 20% in the price of rice enables X to buy 5 kg more rice for ₹100. What is the reduced price of rice per kg?

(A) ₹4

(B) ₹2

(C) ₹1

(D) ₹3

Correct Answer : A

Q : A vessel contains some litres of pure milk. If 25 litre of water is added to the vessel, then ratio between milk and water becomes 12:5, 17 litres of mixture is drawn from the vessel and 10 litre of water is added to the mixture. Find the new ratio between milk and water.

(A) 6 : 5

(B) 5 : 6

(C) 8 : 5

(D) 5 : 8

Correct Answer : C

Q : Two vessels A and B contain spirit and water mixed in the ratio 5:2 and 7:6 respectively. Find the ratio in which these mixture be mixed to obtain a new mixture in vessel C containing spirit and water in the ratio 8:5?

(A) 9 : 7

(B) 2 : 3

(C) 7 : 5

(D) 5 : 7

(E) 7 : 9

Correct Answer : E

Q :

120 men consume 720 kg of rice in 30 days. In how many days can 90 men consume 270 kg?

(A) 18

(B) 12

(C) 9

(D) 15

Correct Answer : D

Q :

A and B can together complete a task 40 days. They worked together for 30 days and then left. A finished the remaining task in next 22 days. In how many days A alone can finish the task?

(A) 88 days

(B) 48 days

(C) 30 days

(D) 40 days

Correct Answer : A

Q :

If $A : B = 2 : 3$, $B : C = 6 : 11$ then what is the value of $C : B : A$?

(A) 11: 6: 2

(B) 22: 6: 4

(C) 11: 3: 2

(D) 11: 6: 4

Correct Answer : D

Q :

In bag there are coins of 25 paisa, 50 paisa and 1 rupee in the ratio of 3 : 4 : 5. If there are in all Rs.31, then how many 1 rupee coins are there in the bag?

(A) 12

(B) 16

(C) 24

(D) 20

Correct Answer : D

Q :

A reduction of 20% in the price of sugar enables a housewife to purchase 6 kg. more for Rs. 240. What is the original price per kg. of sugar?

(A) Rs. 25 per kg

(B) Rs. 18 per kg

(C) Rs.15 per kg

(D) Rs. 10 per kg

Correct Answer : D

Q :

Cost of two articles were in the ratio of 16: 23. The cost of first article increases by 10% and that of second by Rs.477. Now the costs of two articles are in the ratio of 11: 20. The price of the second article (in Rs.) in the beginning was-

(A) 1912

(B) 1251

(C) 1521

(D) 1219

Correct Answer : D

Q :

Anoop travels first $\frac{1}{3}$ of the total distance at the speed of 10 km/hr. and the next $\frac{1}{3}$ distance at the speed of 20 km/hr. and the last $\frac{1}{3}$ distance at the speed of 60 km/hr. The average speed of Anoop is-

(A) 18

(B) 21

(C) 14

(D) 16

Correct Answer : A

Q :

A train 400 m long passes a pole in 20 seconds. What is the speed of the train?

(A) 70 km/hr

(B) 68 km/hr

(C) 72 km/hr

(D) 64 km/hr

Correct Answer : C

Q :

A train 300 m. long is running with a speed of 54 km/hr. In what time will it cross a telephone pole?

(A) 16 sec

(B) 20 sec

(C) 18 sec

(D) 22 sec

Correct Answer : B

Q :

Two train approach each other at 30 km/hr and 27 km/hr. From two places 342 km. apart. After how much time will they meet? (in hours)

(A) 9

(B) 6

(C) 8

(D) 5

Correct Answer : B

Q :

Find the difference of CI and SI on a sum of Rs. 30240 invested for 3 years at rate of interest per annum.

(A) Rs. 2500

(B) Rs. 2440

(C) Rs. 2660

(D) Rs. 3120

Correct Answer : C

Q :

A sum of money amounted to Rs.720 in 2 years and Rs.792 in 3 years when interest is compounded annually. The annual rate of interest , (in%) is:

(A) 5%

(B) 7.50%

(C) 7%

(D) 10%

Correct Answer : D

Q :

The average age of x and y is 18 years. If z is equal to 9 years the average of x, y and z is -

(A) 24 years

(B) 15 years

(C) 18 years

(D) 20 years

Correct Answer : A

Q :

The age of a mother 10 years ago was thrice the age of her son. 10 years hence, the mother's age will be twice that of 9 her son. The ratio of their present ages is :

(A) 12 : 5

(B) 6 : 1

(C) 7 : 3

(D) 4 : 2

Correct Answer : C

Q :

20 buckets of water fill a tank when the capacity of each bucket is 14.5 litres. How many buckets will be required to fill the same tank if the capacity of each bucket is 10 litres?

(A) 31

(B) 29

(C) 32

(D) 30

Correct Answer : B

Q :

Water flows into a tank which is 200 m long and 150 m wide, through a pipe of cross-section (0.3m x 0.2m) at 20 km/h. In what time will the water level be 8 m?

(A) 450

(B) 500

(C) 200

(D) 250

(E) 350

Correct Answer : C

Q :

$23 + 3 + 33 + 333 + 3.33 = ?$

(A) 395.33

(B) 372.33

(C) 702

(D) 702.33

Correct Answer : A

Q :

What is the value of X ?, if $7580 - X = 3440$

(A) 4150

(B) 5140

(C) 4130

(D) 4140

Correct Answer : D

Q :

A man can row with the stream at 9 km/hr. and against the stream at 3 km/hr. His speed in still water is -

(A) 12 km/hr

(B) 5 km/hr

(C) 10 km/hr

(D) 6 km/hr

Correct Answer : D

Q :

A swimmer can swim 68 km downstream and 45 km upstream in 9 hours and he will take 2 hours more to swim 51 km downstream and 72 km upstream. Find the speed of the swimmer in still water.

(A) 17

(B) 15

(C) 13

(D) 9

Correct Answer : C

Q :

Find the LCM of x and $(x+3)$.

(A) $x(x+3)$

(B) $x^2(x+3)$

(C) $(x+3)$

(D) x

Correct Answer : A

Q :

The HCF of 156, 312 and 195 is :

(A) 39

(B) 3

(C) 78

(D) 13

Correct Answer : A

Q :

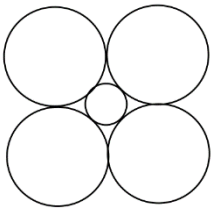
A hollow copper pipe is 22 cm long and its external diameter is 28 cm. If the thickness of the pipe is 3 cm and iron weighs 8.5 g/cm^3 , then the weight of the pipe is closest to:

- (A) 34 kg
- (B) 44 kg
- (C) 14 kg
- (D) 24 kg

Correct Answer : B

Q :

In the given figure if each of the outer circles have radii 'R', then the radius of the inner circle will be:

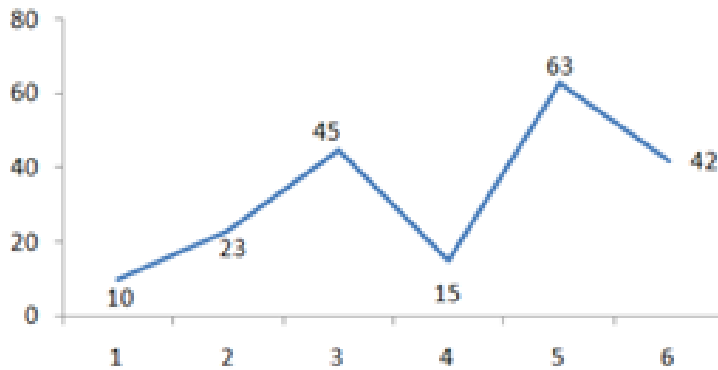


- (A)
- (B)
- (C)
- (D)

Correct Answer : C

Q :

This line graph shows the scores of a batsman in 6 consecutive matches. What is the range of his scores?



(A) 53

(B) 43

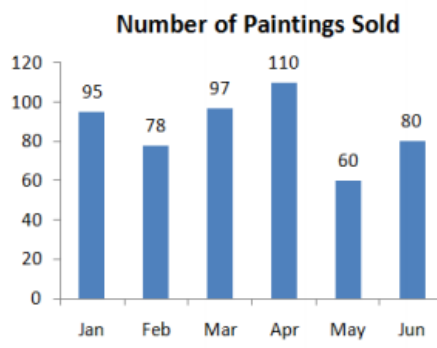
(C) 41

(D) 51

Correct Answer : A

Q :

The bar graph shows the number of painting sold an art gallery in each month from January to June.



How many paintings does it need to sell in July for the 7 month average to be 90?

(A) 115

(B) 85

(C) 90

(D) 110

Correct Answer : D

Q :

The value of is

(A) xy

(B) 1

(C) x

(D) y

Correct Answer : B

Q :

If the numerator of a fraction is increased by 250% and the denominator is increased by 400%. The resultant fraction is $\frac{7}{19}$. What is the original fraction?

(A) $\frac{5}{8}$

(B) $\frac{10}{19}$

(C) $\frac{18}{23}$

(D) $\frac{15}{17}$

Correct Answer : B

Q :

The average weight of A B and C is 40 kg . if the average weight of A and B be 48 kg and that of B and C be 45 kg , then find the weight of B ?

(A) 58

(B) 60

(C) 36

(D) 40

Correct Answer : B

Q :

The average monthly income of x and y is 5050. The average monthly income of y and z is 6250 and the average monthly income of x and z is 5200. The monthly income of x is?

(A) 4050

(B) 3500

(C) 4000

(D) 5000

Correct Answer : C