

## Latest Brakes India Placement Quants Questions Paper

### QUANTITATIVE SECTION

In a class composed of  $x$  girls and  $y$  boys what part of the class is composed of girls

A.  $y/(x + y)$

B.  $x/xy$

C.  $x/(x + y)$

D.  $y/xy$

Ans:C

What is the maximum number of half-pint bottles of cream that can be filled with a 4-gallon can of cream(2 pt.=1 qt. and 4 qt.=1 gal)

A.16

B.24

C.30

D.64

Ans:D

If the operation,  $\wedge$  is defined by the equation  $x \wedge y = 2x + y$ , what is the value of  $a$  in  $2 \wedge a = a \wedge 3$

A.0

B.1

C.-1

D.4

Ans:B

A coffee shop blends 2 kinds of coffee, putting in 2 parts of a 33p. a gm. grade to 1 part of a 24p. a gm. If the mixture is changed to 1 part of the 33p. a gm. to 2 parts of the less expensive grade, how much will the shop save in blending 100 gms.

A.Rs.90

B.Rs.1.00

C.Rs.3.00

D.Rs.8.00

Ans:C

There are 200 questions on a 3 hr examination. Among these questions are 50 mathematics problems. It is suggested that twice as much time be spent on each

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maths problem as for each other question. How many minutes should be spent on mathematics problems

- A.36
- B.72
- C.60
- D.100

Ans:B

In a group of 15, 7 have studied Latin, 8 have studied Greek, and 3 have not studied either. How many of these studied both Latin and Greek

- A.0
- B.3
- C.4
- D.5

Ans:B

If  $13 = 13w/(1-w)$ , then  $(2w)^2 =$

- A.1/4
- B.1/2
- C.1
- D.2

Ans:C

If a and b are positive integers and  $(a-b)/3.5 = 4/7$ , then

- (A)  $b < a$
- (B)  $b > a$
- (C)  $b = a$
- (D)  $b \geq a$

Ans: A

In June a baseball team that played 60 games had won 30% of its game played. After a phenomenal winning streak this team raised its average to 50%. How many games must the team have won in a row to attain this average?

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- A. 12
- B. 20
- C. 24
- D. 30

Ans: C

M men agree to purchase a gift for Rs. D. If three men drop out how much more will each have to contribute towards the purchase of the gift/

- A.  $D/(M-3)$
- B.  $MD/3$
- C.  $M/(D-3)$
- D.  $3D/(M^2-3M)$

Ans: D

A company contracts to paint 3 houses. Mr.Brown can paint a house in 6 days while Mr.Black would take 8 days and Mr.Blue 12 days. After 8 days Mr.Brown goes on vacation and Mr. Black begins to work for a period of 6 days. How many days will it take Mr.Blue to complete the contract?

- A. 7
- B. 8
- C. 11
- D. 12

Ans:C

2 hours after a freight train leaves Delhi a passenger train leaves the same station travelling in the same direction at an average speed of 16 km/hr. After travelling 4 hrs the passenger train overtakes the freight train. The average speed of the freight train was?

- A. 30
- B. 40
- C.58
- D. 60

Ans: B

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If  $9x-3y=12$  and  $3x-5y=7$  then  $6x-2y = ?$

- A. -5
- B. 4
- C. 2
- D. 8

Ans: D