

**Quantitative Analysis QUESTIONS**

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1) Ten years ago, Chandrawathi's mother was 4 times older than her daughter. 3. Ram says to Shyam that his age is one and half times that of Shyam's age yet After 10 years the mother will be twice older than daughter. What is the present age of Chandrawathi?

- >30 years
- >20 years
- >40 years
- >None of these

**Answer:**

- >30 years
- 

2) The age of two friends is in the ratio 6:5. The sum of their ages is 66. After how many years will the ages be in the ratio 8:7?

- >6 years
- >9 years
- >12 years
- >15 years

**Answer:**

- >12 years
- 

3) If the length of a rectangle is increased by 25%, by how much percent the breadth should be reduced to maintain the same area.

- >25%
- >20%
- >33.33%
- >12.5%

**PROFIT LOSS AND DISCOUNT:**

**Answer:**

- >20%
- 

4) A vender sells two articles at same price with one article at 25% profit and

other at 20% loss, what is the profit/loss percent in the overall transaction.

- >5% profit
- >4.6% loss
- >4.6% profit
- >5% loss

NUMBERS:

**Answer:**

- >4.6% loss
- 
- 

5) If  $2+3=18$ ,  $3+5=42$ ,  $6+2=48$  then  $5+6=??$

- >74
- >70
- >72
- >76

**Answer:**

- >72
- 
- 

6)  $(1 - \frac{1}{6}) (1 - \frac{1}{7}) \dots (1 - \frac{1}{(n+4)}) (1 - \frac{1}{(n+5)}) = ?$

- > $\frac{5}{(n+5)}$
- > $\frac{n}{(n+5)}$
- > $\frac{1}{(n+5)}$
- >None of these

SIMPLE EQUATIONS:

**Answer:**

- > $\frac{5}{(n+5)}$
- 
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7) In a club there are certain no. of males and females. If 15 females are absent then no. of males will be twice that of females. If 15 males are absent then female strength will be 5 times that of males. Find no. of males actually present.

- >15
- >18
- >20
- >25

TIME AND DISTANCE:

**Answer:**

- >20
- 
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8) A man left home at 9.00 a.m. with a speed of 40 miles/hr. After 30 min. his wife left home and started travelling in the same direction as man with 50 miles/hr speed. When will they meet?

- >11.00 a.m.
- >11.30 a.m.
- >12.00 p.m.
- >12.30 p.m.

**Answer:**

- >11.30 a.m.
- 

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

- > $y/(x + y)$
- > $x/xy$
- > $x/(x + y)$
- > $y/xy$

**Answer:**

- > $x/(x + y)$
- 

10) 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)

- >16
- >24
- >30
- >64

**Answer:**

- >64
- 

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

- >0
- >1
- >-1
- >4

**Answer:**

- >1
- 

12) 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.

- >Rs.90
- >Rs.1.00
- >Rs.3.00
- >Rs.8.00

**Answer:**  
>Rs.3.00

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

- >36
- >72
- >60
- >100

**Answer:**  
>72

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14)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

- >0
- >3
- >4
- >5

**Answer:**  
>3

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

- >1/4
- >1/2
- >1
- >2

**Answer:**

>1

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16) In June a baseball team that played 60 games had won 30% of its games 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?

- >12
- >20
- >24
- >30

**Answer:**

>24

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17) 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?

- > $D/(M-3)$
- > $MD/3$
- > $M/(D-3)$
- > $3D/(M^2-3M)$

**Answer:**

> $3D/(M^2-3M)$

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18) 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?

- >7
- >8
- >11
- >12

**Answer:**

>11

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19) 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?

- >30
- >40

>58  
>60

**Answer:**  
>40

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

>-5  
>4  
>2  
>8

**Answer:**  
>8

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