Ratio and Proportion

Ratio and proportion



This Video Completely covers Ratio and Proportion which is more than sufficient for all kind of placement Exams eg: TCS/WIPRO/AMCAT/ELITMUS/CoCubes and all other placement Exams.

Ratio and proportion

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Ratio and Proportion

Q1. If A:B = 5:7, B:C = 6:11 then A:B:C is ?

Solution:

A: B: C

A:B: 30: 42 B: C: 42: 77

A: B: C= 30: 42:77 /

Ratio and Proportion

Q2. If A:B = 3:4 and B:C = 8:9, then A:C is ?

A.6:8

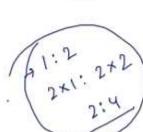
Solution:

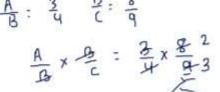
C. 9:6

e None

D. 3:8







Ratio and Proportion

Q3. If A:B = 8:15, B:C = 5:8 and C:D = 4:5, then A:D is equal to?

4/8:30 4:15

C. 8:24

B. 8:15

D. 4:5

Solution:



A:B: 8:15, B:C: 5:8, C:D: 4:5

$$\frac{A}{D} = \frac{4}{15}$$
 $\frac{8}{30}$
 $8:30$

Ratio and Proportion

Q4. If 2A=3B=4C, then A:B:C is?

A. 2:4:6

C 6:4:3

B. 2:3:4

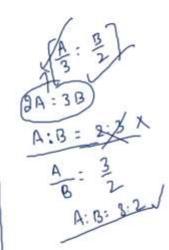
D. 4:3:2

Solution:

$$\frac{2A}{P_{6}^{2}} : \frac{3B}{4} : \frac{4K}{3^{12}} = \frac{212.3.4}{1.3.2} = 12$$

$$\frac{A}{6} : \frac{B}{4} = \frac{C}{3} \quad A : B : C$$

6:4:3



Ratio and Proportion

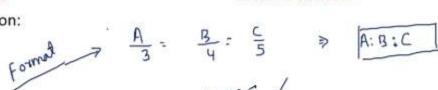
Q5.) f(A/3) = (B/4) = (C/5) then A:B:C is?

A.5:4:3

C. 4:3:5

D. None of these

Solution:

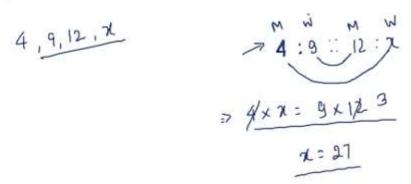




3:4:5/

Ratio and Proportion Q6. Find the fourth proportional to 4, 9 and 12? A) 18 B) 21 C) 24 D) 27

Answer: Let the fourth proportional to the numbers 4, 9, and 12 be x. Then from the definition of the fourth proportional, we must have:



Ratio and Proportion

Q8. Two numbers are respectively 20% and 50% more than a third number. the ratio of the two numbers is:

A) 3: 4

B) 4: 9

C) 5: 6

D) 6: 7

Hard = 100

1st = 120 , 2 nd = 15

120. 154



2 mits

Ratio and Proportion

Q9 Salaries of Ravi and Sumit are in the ratio 2:3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40:57. What is Sumit's salary?

- A) 38000
- B) 46800 十以
- C) 36700
- D) 50000

Solution:

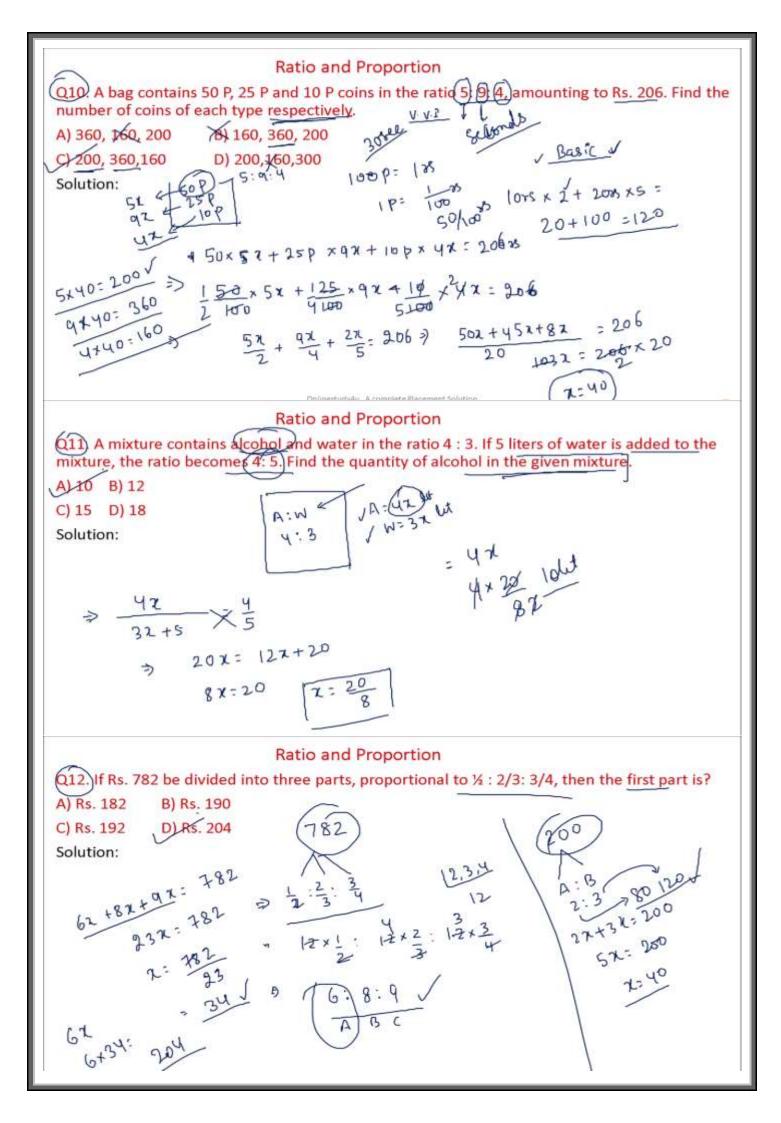
 $\frac{2}{2}$ $\frac{2}{57}$ $\frac{3}{3}$ $\frac{4000}{3}$ $\frac{40}{57}$ $\frac{3}{38000}$ $\frac{3}{38000}$

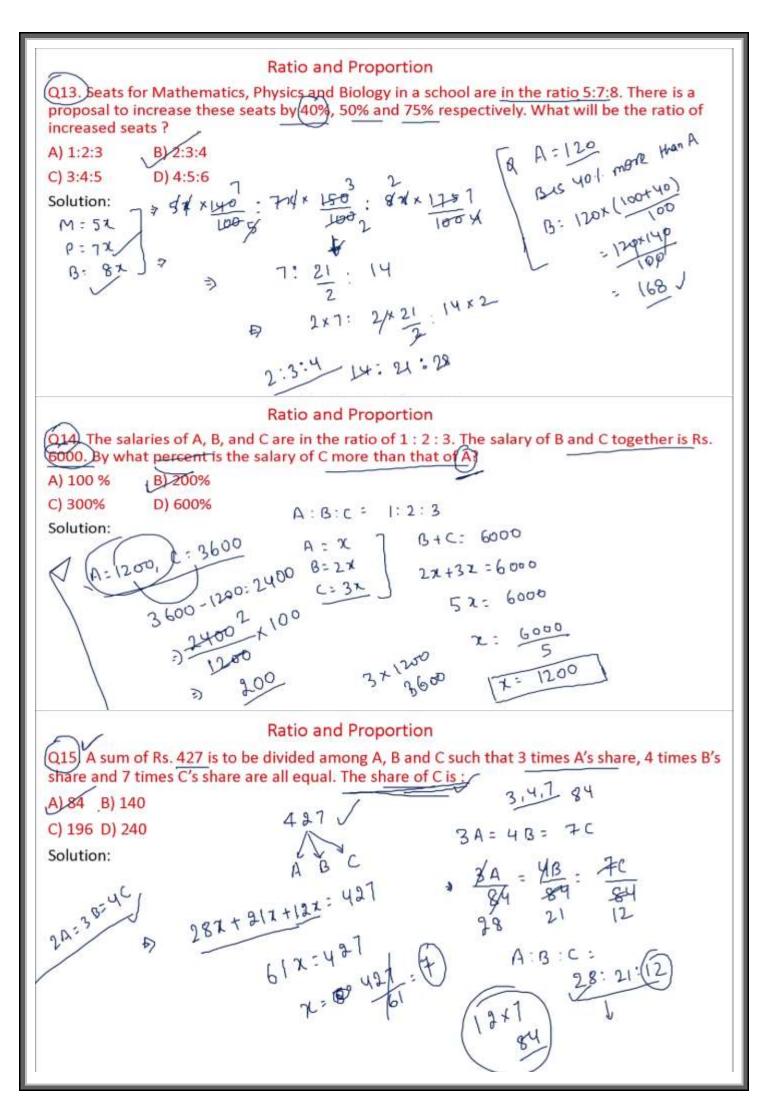
* data - given in terms of A: B: 2:3 ratio

A:21

B:32

 $\frac{3}{61:4000\times17}$ $\frac{61:4000\times17}{2}:4000\times17$ $31:2000\times17$





Ratio and Proportion

Q16. The incomes of two persons A and B are in the ratio 3: 4. If each saves Rs.100 per month, the ratio of their expenditures is Rs. 1:2. Find their incomes.

- A) Rs. 100 and Rs.150 B) Rs. 150 and Rs.200
- C) Rs.200 and Rs.250 D) Rs.250 and Rs.300

Solution:

A:B = 3:4 3+50=150 tion: $\frac{1}{5}$ = $\frac{1}{5}$ = 3 62-200 = 42-100

2x=100 = x=50

Ratio and Proportion (Age)

Q17) Ratio of Arun's age to Vinod's age is 4:3. Vinod will be 20 years old after 5 years. what was Arun Age before 3 years?

a) 20years b)21years c)17years d)15years

Solution:

$$A: U: 4:3$$

$$4 \times 5: 20 = A: 4x$$

$$V: 31$$

$$3x: 15$$

7C:5 V



018 A sum of Rs. 312 was divided among 100 boys and girls in such a way that the boy gets Rs.3.60 and each girl Rs. 2.40 the number of girls is

Solution:

00 + 316

Ratio and Proportion

Q19 The ratio of male and female in a city is 7:8 respectively and percentage of children among male and female is 25 and 20 respectively. If number of adult females is 156800, what is the total population of the city?

