$$a:b = Ka:Kb$$

$$= \underbrace{a:b}_{K}$$

Ram Shyam Total

Shalle of lack -

Share of Ram = a+b (Total)

Share of Shyann = b (Total)

Ram: Shyam

Direct

1/3: 1/2 Indirect

Share of 2 (Total) 3 (Total)

 $\frac{3}{5} = 40\%$. $\frac{3}{5} = 60\%$ es. age

Power
$$\Rightarrow$$
 Indicate \Rightarrow into \Rightarrow into

Indirect
$$\longrightarrow$$
 Direct
$$\frac{1}{3} : \frac{1}{2} = \pi 6 \left(\frac{1}{3} : \frac{1}{2}\right)$$

$$LCM = 6 = \frac{6}{3} : \frac{6}{2}$$

$$= 2:3$$

Of Divide among

$$A_1B_1C_1D$$
 & which that $A_1B_2C_1D_1C_2$

and C. D. a Marie ?. A: B: C:(D)
6:4:3:1 Share of D = 1 (784) $=\frac{1}{14} \times 784 = 56$ go Total weight = (100 kg) Age 7: 3 Ratio of Same Hings bleight

of Ram = ? Data Ensufficient Total values of coins = 210 RS 1R8 So Paise 25 Paise number of coins 5:6:8 Value 5: 3 42: 200 Value of (210) => = 2 (210) => (42) RS

We wort is the value of 2 Paige coins?

How many & Paist coin?

Value 10 of (35) Paise coin

RS D - 4

42 -> 42×4 168 vous

Rotio and Peroportion

#1

A:B

B: C

2:3

4:5

Correlati

khali space mei uske Bagal wala vata hai

9! a:b=7:9 and b:c=25:7

then A:B:C

A: B: C 7 9 3 g^{2} $\frac{5}{15}$ $\frac{15}{7}$ $\frac{7}{15}$: $\frac{9}{3}$ $\frac{7}{3}$ $\frac{7}{$

 Q_1 A: B = 3: 4 B: C = 5: 1

B: C = 5:7 then A: B: C: D

C:D = 8:9

A: B: C: D

3 4 4 4

5 5 7 7

2889

3 X5X8 : 4:5:8: 4x7X8: 4x7:9

30:40:56:63

9 A:B:C:D:E

1:2222

33:444

366362:83 93

31212 12 12:16

9; 18:24:36:48

3:6:8:12:16

4,6,C, +ve Integers a:b=3:4 b:c=2:1possible value of (a+b+c) = ? (D) 201 0 205 0 207 @ 210 2 tots= 7 2+0+7=9 2+0+1 2+1+0=3 3 42 42 2 2 1 If A is 25% more than B and B is 15% less than C then A:B: C=? B : 17 17 20 9111 A sun of 20 us 85: 68:80 iduerded b/w A, B, Cien the eratio [4:2:3] x61 the Share of B is 2,600 what is the value of x? 2 48: 40:45 (133) (48+40+45) I Unitary Method 40 -> 2600 1-> 2600 133-) 2600 X133

Solvanis initial expenditure and savings were in the ratio 5:1. His innome invenases by 25%, while his savings increase by 20%. If Solvanis current expenditure is 4347, what was his initial interne?

Income = Expenditure + Saving

4140 Aug

If the difference b/w the shares of A and D is 3:4.

If the difference b/w the shares of A and D is 3:4.

To the difference b/w the shares of A and D is 3:4.

A B C D
$$6 \rightarrow 648$$

2 3 3 3

1 1 2 2 1 $\rightarrow 648$

2 3 3 4 $= 648$

2 3 6 : 8 19 $\rightarrow 648 \times 19$

2 052 Any

De A parson iducided a curbain sum blw his three sons in the evation 3:4.5. Had he divided the sum in the ratio 1: 1. 1 the son, who go the cleast share earlier, would have got ? 2188 more the dun (in 7) was: 47 x 12 > 3: 4: 12 X 47 -> 20:15:12 47×3 = 241 \ 99 99 -> 1188 12 X 20= 240 V $\frac{1188}{99} \times 12 \times 47$ De suatio of boys and gods in a collège is 5:3. If 50 boys leave the college and 50 girls join the collège, the ratio beromes 9:7. The no. of boys in the college is:

50 gaye 50 daye with total toh same ealinga * Basic Method let B = 5x

 $\begin{array}{c} 1750 \\ 61 & 107500 \\ 61 & 6 & 300 \end{array}$

gy hajn and Lalitha originally had mareller in the ratio 4:9. Then lalitha gare some of her markles to Raju. At a result, the hatio of the number of markles with Raju to that with balitha became 5:6, what fraction of her original number of markles was given by Lalitha to Raju?

R L Total
4 X 11 9 X 11 13 X 11
5 X 13 6 X 13 1 1 X 13

sufference = |99-78| = 21 $firaction = \frac{21}{99} = \boxed{\frac{7}{33}} \text{ Ans}$

Concept

Peroportion

> Ratio Equal

$$\frac{4^{dh}}{\text{peroportion}} \left(\frac{A}{B} = \frac{C}{D} \right)$$

$$\frac{A}{B} = \frac{B}{C}$$
 | 3 and portion

Mean proportion

$$\frac{2}{x} = \frac{x}{3}$$

$$z^2 = 2 \times 3$$

$$x = \sqrt{ab}$$

$$x = \sqrt{ab}$$

2.10 The fourth perportional to 0.12,0.21,8 is:

$$\frac{6.12}{0.21} = \frac{8}{\infty}$$

De Duca peroportion, due 1st, 2nd and you termet are 25, 25 and 75, respectively. What is the 300 tenn. 15,25,?,75

$$\frac{15}{25} = \frac{2}{753}$$

$$(x=4s)$$

Of 3 s is Ratio of fourth proportional to 2,5, 4 and the mean proportional between 2-5 and 0-026?

2,5,4, x x = 5x = 0.20

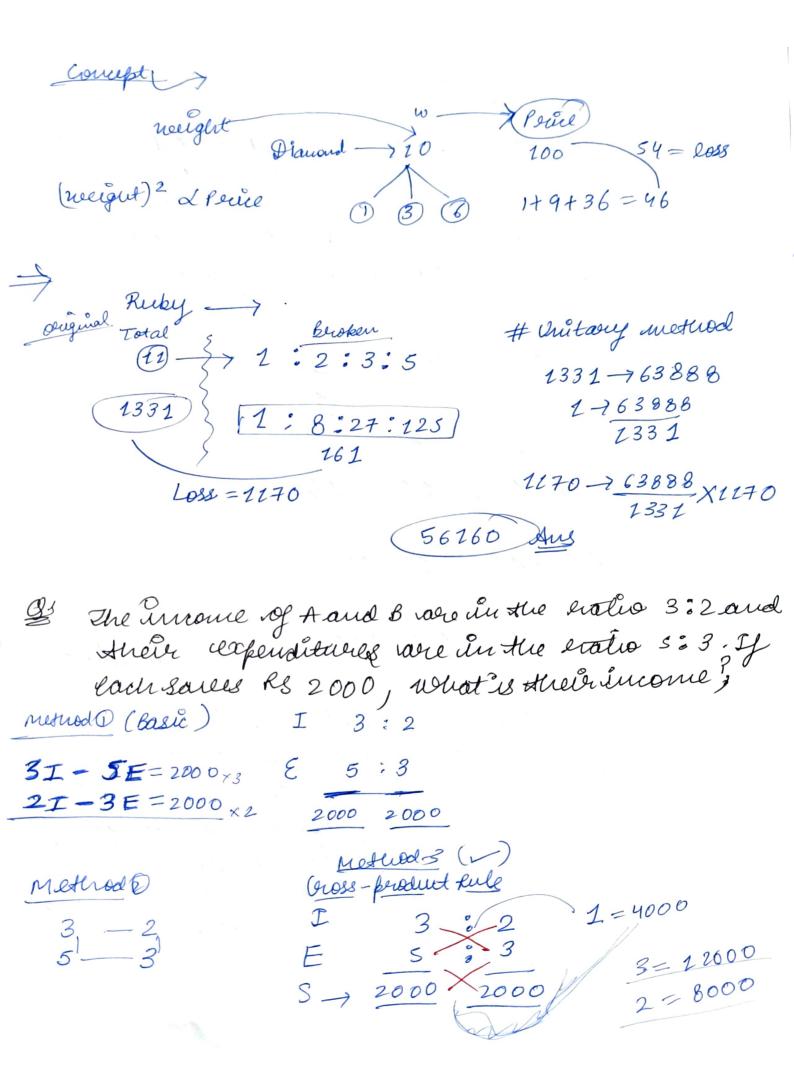
$$\frac{2}{5} = \frac{4}{2} (2 = 10) \qquad \frac{2.5}{50} = \frac{2}{0.016}$$

$$\frac{2-5}{50} = \frac{x}{0.016}$$

Of On The total no of students in Alvice Sections A, B and C of a class in a school is 340.

Ju no. of students in section Arand B in the evation 3:5 and shose in sections Brand C were in the seation 3:2. What is the mean peropositional b/w number of students in Section A and the mumber of students in Section C.

Of Kishore had a prelious suby worth RS 63, 888 with him. while showing it to one of his oriend, it fell idouen and broke that 4 pieces, the neights of which are proportional to 1:2:3:5. The value of each of the pieces is directly proportion to rube of its neight. What is the loss that Kishore is going to face, as the stone fell down and broke little pieces?



X and y have their mouthly momes in the ratio 9:7 while their montey expenditure and in the ratio 5:3. If they have saved RS 16,000 Alle ratio 5:3 and Rs 14,000 monthly respectfuely, then the defference un their montey meones is: 27 CROSS-METHOD (Jab in Hal degale eraklia hen usto Badhaja all final) 16000 diff in their worthy inous 9-7-3 48 K 8=22000 FOK 1 -> 22000 22 5500