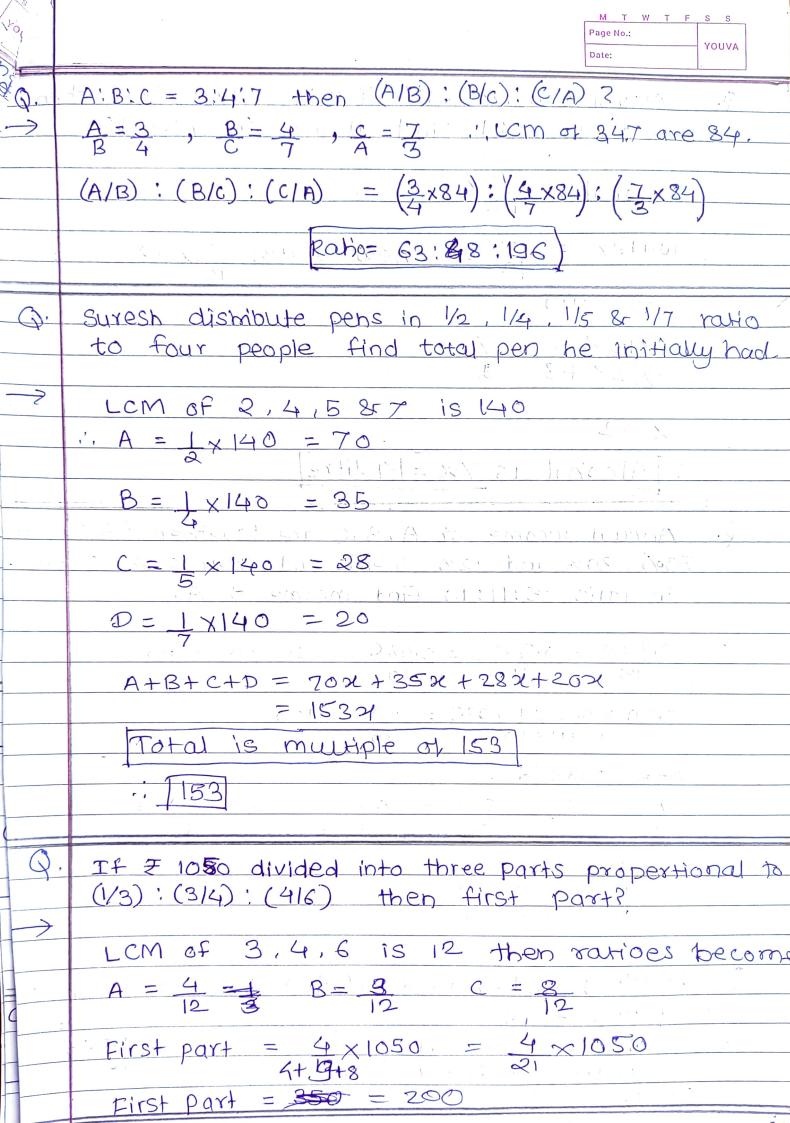
Spir roer Page No.: India Elx YOUVA Ratto and Propertion HITRUISEVE Date: 145 Student in A, B, C class Ratio of students in A'B Q. is 2:3 while students in B:C is 4:3 find student in B. a: b: c = 8:12:9 $b = \frac{12}{29} \times 145 = 60$ Which no when added to 24,32 842 would make in Q. sum to be in continued propertion? 24+2 = 32+2 2 = 8 Mills 18 Gares (46-x) is mean of geometric progeression (56-x), Q. (38-2) What is x? $(46-2)^2 = (38-2)(56-2)$ 12=6 6m-n=4m+13n find value of 2m+n! 2m+3n Q. 6m-p = 4m+3h-> $\frac{2m+n}{2m+3n} = \frac{2\times7n+n}{2\times7n+3n} = \frac{-15}{11}$ DABC LA: LB = 3:2 and LB: LC = 4:5 find largestang Q. A:B=3:2 and B:C=4:5: A B : C = 6:4:10 | .: A : B : C = 6:4:5 6x + 4x + 10x = 180 6x + 4x + 5x = 180 χ' , $\chi = 90$ χ' , $\chi = 12$ [.. LC = 90x 10 = 90] [. C = 12x5 = 60°]

	Page No.: Date:
Q , →	70cm Sming cut into 3'.7 ratio what is longest signature of rectangle? .'. 3x +7x = 70 cm
	1.2 = 7 cm $1.2 = 7 cm$ $1.2 = 7 cm$ $1.3 = 7 cm$ $1.3 = 7 cm$
φ.	cost of diamond varies according to square of we if 20 gm costs 4800 the cost of 89m?
	$Price = k (weight)^{2}$ (8) ² x k = Price $Price = k (weight)^{2}$ (4 x 12 = Price $48000 = k (20)^{2}$ Price = 768 =
	[12=K]
ψ.	The ratio of first to second class fores 6:4 and of Pass of those class each fare is 1:30, If Z 2100 is call what is amount collected from first class passenges
→	$\frac{6}{4}$ $\frac{1}{20}$ $\frac{6}{120}$ $\frac{1}{20}$
	$\frac{1}{(1+20)} \times 2100 = \Xi 100$
φ	The ratio of Salames 4:5 if their salames howeas by 10% and 20% the ratio is: 10% and 20% rise in A and B is: 1.1XA and 1.2B hence $4 \Rightarrow 4x \Rightarrow 1.1x4x \Rightarrow 44x \Rightarrow 11$ $5 \Rightarrow 5x \Rightarrow 1.2x5x \Rightarrow 60 \Rightarrow 15$
	15



Alcohol & water 7:5 if & lit water added then is **O**, becomes 7:9 find alcohol in initial? SALCOHOL = (27:2/5/5) = (410): (5/8): (5/4 water = 5 x new water 5x+8 New ratio $\frac{7/122}{5/122+8} = \frac{7}{9}$ TOPICI NEGRAND $\chi = 2$.. Alcohol is 7x = 14 litre Annual income of A, B, C are together \$ 4600, to 70%, 80% and 92% Spends and their sovings are in ratio 15:11:10 find income of A. 00 = 041/1 = 0 0.30 A = 0.20 B = 0.08 C - Savings vatto A+B+C+D = 70x +95x +284+2; x 81 0.3A + 0.2B' + 0.08C = 4600 = 1000 15+11+10 A = 1000×15 A = B = C = A + B + C = 4600 = 1000= 1000 x 10 2000 = A B = 10,00 × 11 = 11000 1 (217) C = 1000 X 25 = 25,000 Ratio of third properhonal st 12830 to mean por Q^{\prime} of 9825 is Third propertional $\Rightarrow \frac{12-30}{30-3}$ $\Rightarrow 15\times5$ mean propertional $\Rightarrow \sqrt{9}\times25=3$ $? \Rightarrow 15$ (Rano =5:1)



A,B,C to contribute in 3:4:5 they pay $\neq 50$, $\neq 55$, $\neq 75$ How much amount A Showld pay = 55+75+50 = 1807= 3x + 4x + 5x = 1807

x = 25?

A > 1600 457

B > BONT GOF

C=> 75 F

Values are in ratio 11:9:5 find no of 50 pais coins.

Let no of coins be A, B, C

A = Bx0.5 = Cx0.25 = A = B = 211 9 5 11 18 20

A - B - C - A+0.16 - 200

A = B = C = A + B + C = 342 = 7

.: B = 18×7 = 112

Find compound ratio of (2:1), (3:2) & (2:5) $CR = \frac{2 \times 3 \times 2}{2 \times 5} = \frac{6}{5}$

3. Zinc & copper is in 9:10 ratio if zinc is 27.9 then

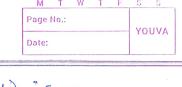
total alloy is $9 \times 2 = 27.9$

2 = 62kg

g. If dozen minor dropped which cannot be rand of broken to unbroken minor.

 $\frac{3}{6}$ $\frac{2!6}{5!2}$ $\frac{(0)}{3!2}$ $\frac{3!2}{6!2}$

Page No.: x:y=2:1 then $(x^2+y^2):(x^2-y^2)$? x = 2x = 08 = 2 = 2 y = 1 = 1 $(4y^2+y^2) - 5y^2 = 5$ $(4y^2-y^2) = 3y^2 = 3$ 9. 22+4y2 = 4xy then x; y is (x-24)2=0011:11 view of 27 - 24 = 0. 2 = 24 : 9 / 9 9 20 100 \$0.000 30 $\frac{21 - 20}{4} = \frac{2000}{11} = \frac{2000}{11}$ 9. (atb): (b+c): (c+a) = 2:3;3 then a+6+c=16 then C1 a+b=2:, a=1, 6=1, c=2 b+c = 3 C+a=3· (a) & office for the first 1. ax+bx+cx = 16 2=4 :. C=2x4=8 If salaries are 4:5:6 if increaments are 2011,251 30% then new ratio are- $\frac{A = 4}{B} \Rightarrow \frac{4 \times 1.2}{5 \times 1.25} \Rightarrow \frac{4.8}{6.25} = 1.$ $\frac{B=5}{C} \Rightarrow \frac{5\times1.25}{6\times1.3} \Rightarrow \frac{6.25}{7.8}$ 4.8 ; 6.25 ; 7.8 ANS 7 26:25:241



Third propositional to $(\chi^2 - y^2)$ and $((\chi^2 - y^2))$ and $((\chi^2 - y^2))$ and $((\chi^2 - y^2))$ is $-\chi^2 - y^2 = \chi^2 - \chi^2 = \chi^2 = \chi^2 - \chi^2 = \chi^2 =$

bag of 25p,18p,5p coins with total value £30 in ratho 1:2:3 then how many 5p coins are their?

A - L B - 2
B - 2

 $A = \frac{1}{2}B$, $C = \frac{3}{2}B$

A+B+, 0.25A+0.1B+0.05C=30 $0.25\times B+0.1\times B+0.05\times 3B=30$ 2

> 0.25B + 0.2B + 0.1BB = 30° 2 2 2

0.6 B = 30×2

[B = 100]

 $c = \frac{3 \times 100}{2}$

C = 150

2.