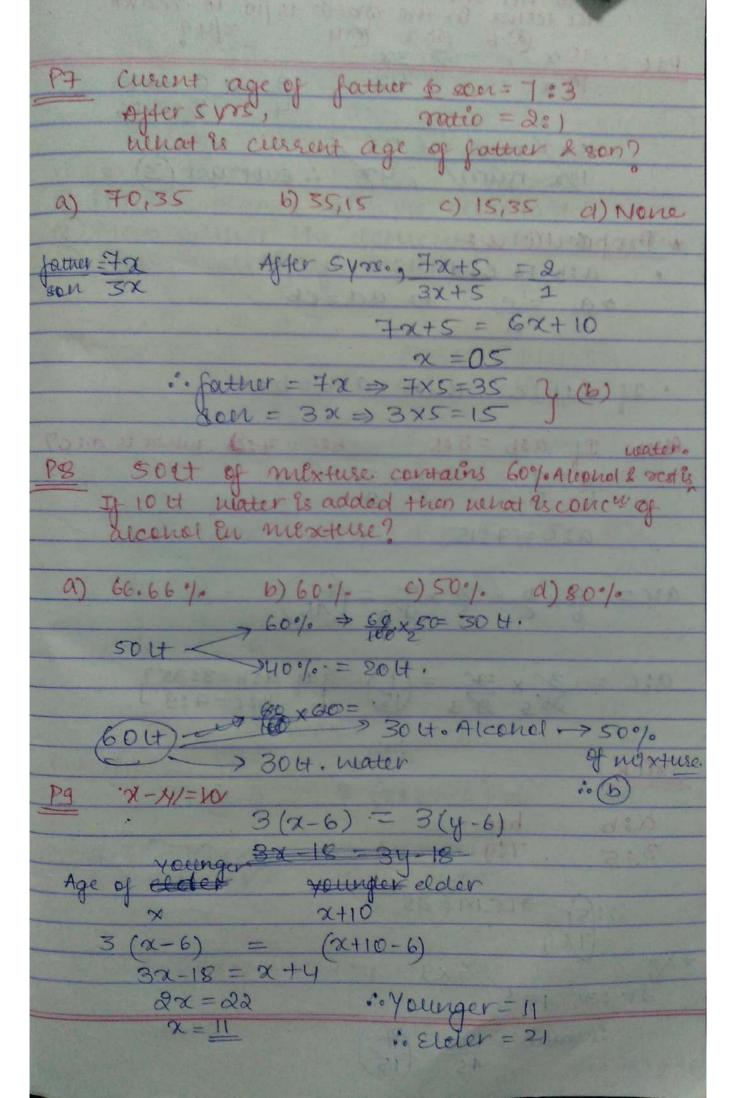
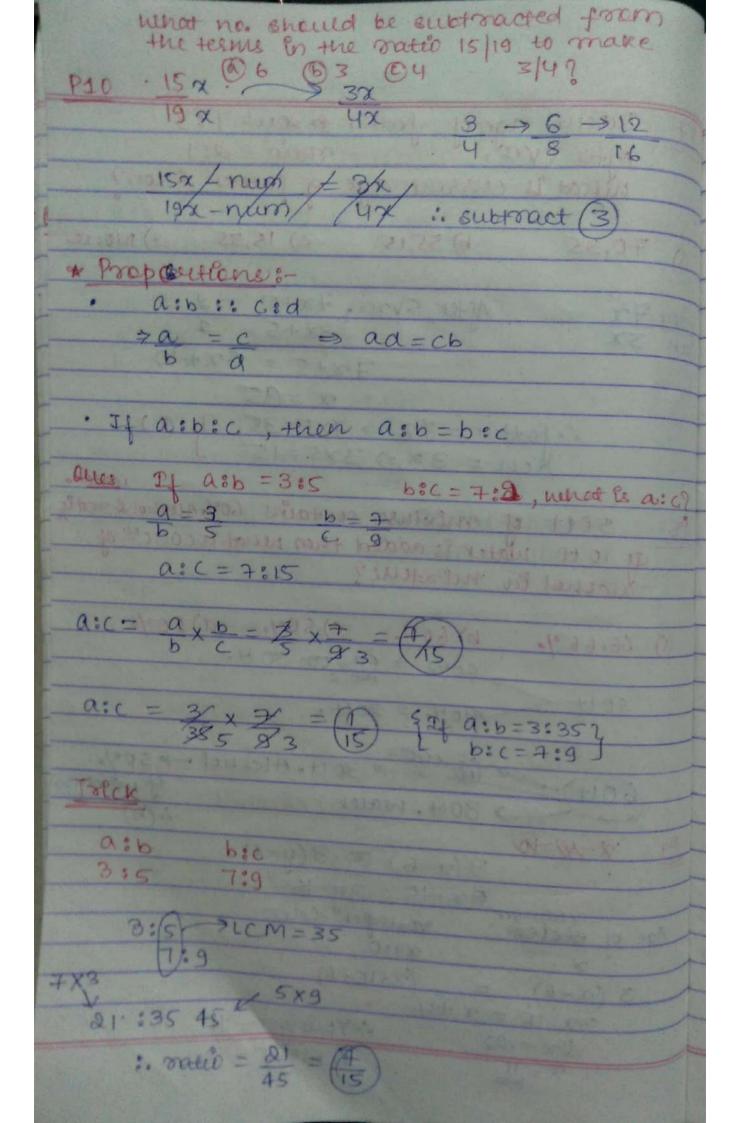
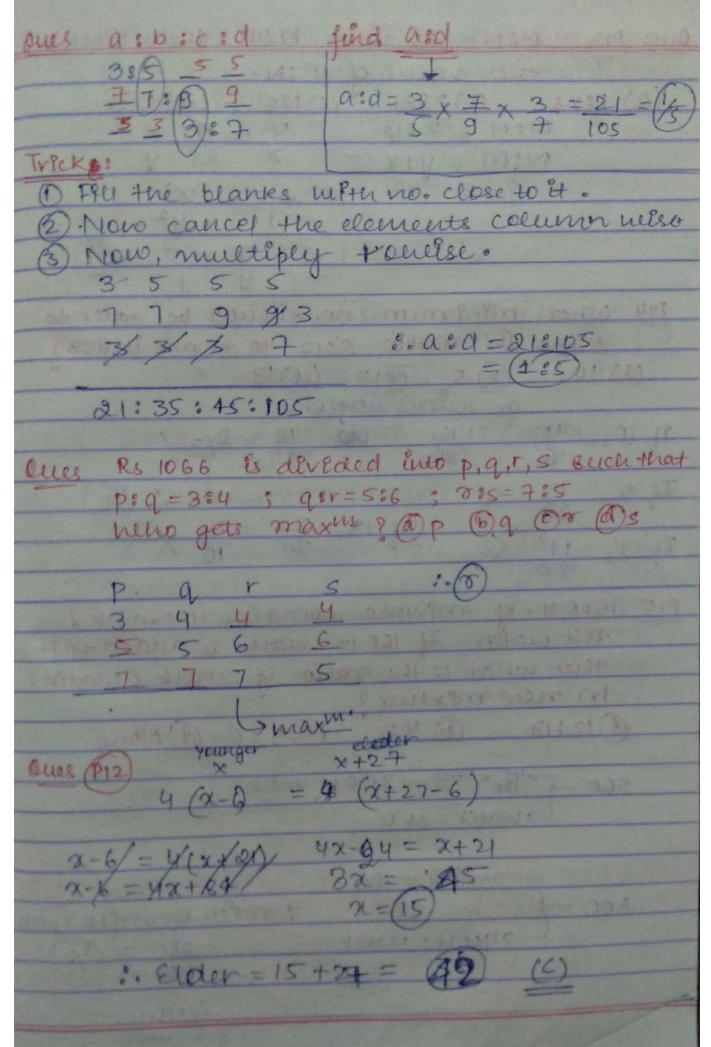
ruldhi sign

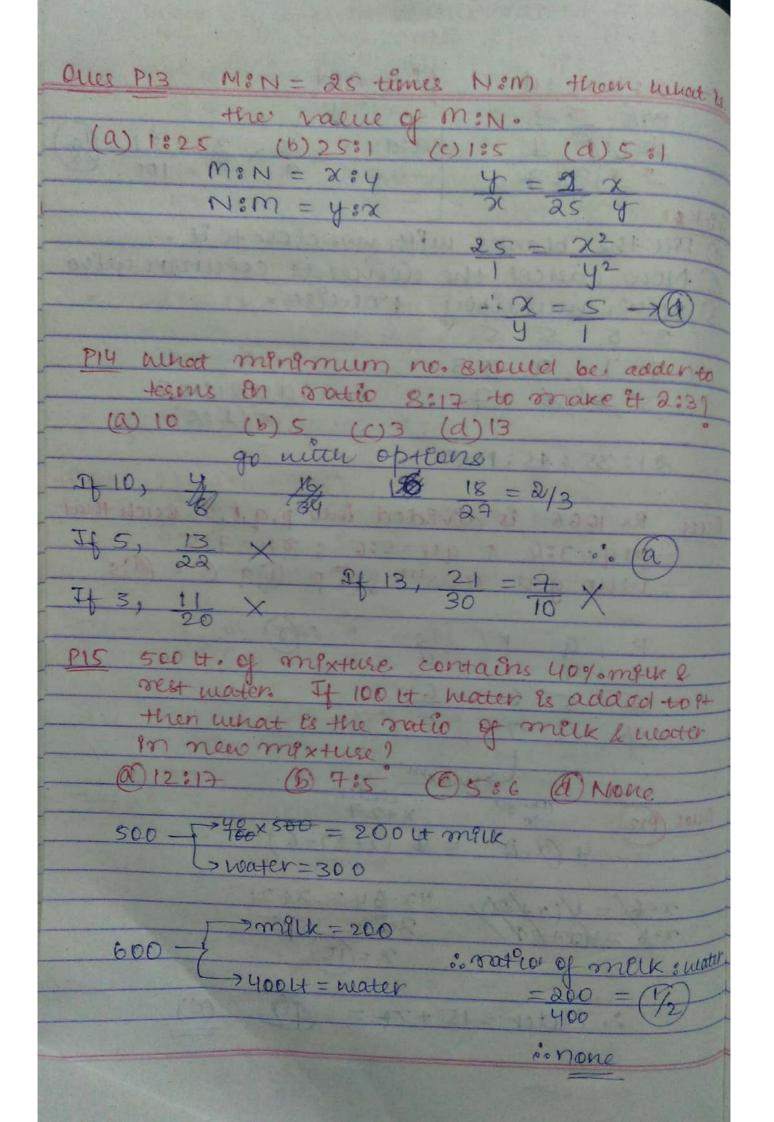
30/04/2021 Ratio, Proportion lus: A:b = 2:7. If 10 is added, what is the new ratio ? Ans: 12 , 14 = 7 , 16 a = 2x, hence  $x = 1 \rightarrow 12$ x=2->14 a=3->16 \* Percentage: is a no. or valid that represents a fraction of 100. · 120/0 of 2400 >12 x 2400 = 288 · hencet 90 of 2400 Es 129 100 = 12 => 2(=0.5%. Ques: Theo fighters with not vatio 7:80 Their accessories of arg each ownat & the nece vatio of their cut? a). 8/9 b).12/33 c).9/10 d).11/9  $\rightarrow$   $\frac{7}{8+2} = \begin{pmatrix} 9 \\ 10 \end{pmatrix}, \begin{pmatrix} x=1 \end{pmatrix}$ :. a, c new ratio usuald be 7x+2 8x+2 753 23 30 = 15

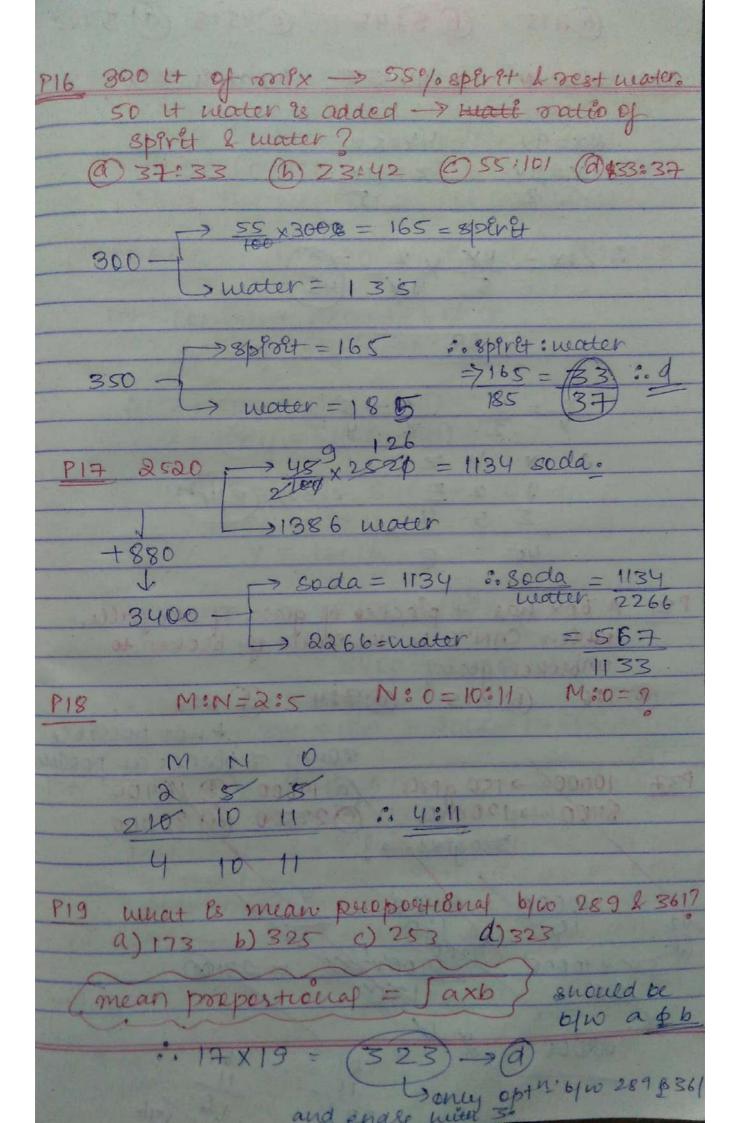
26 17

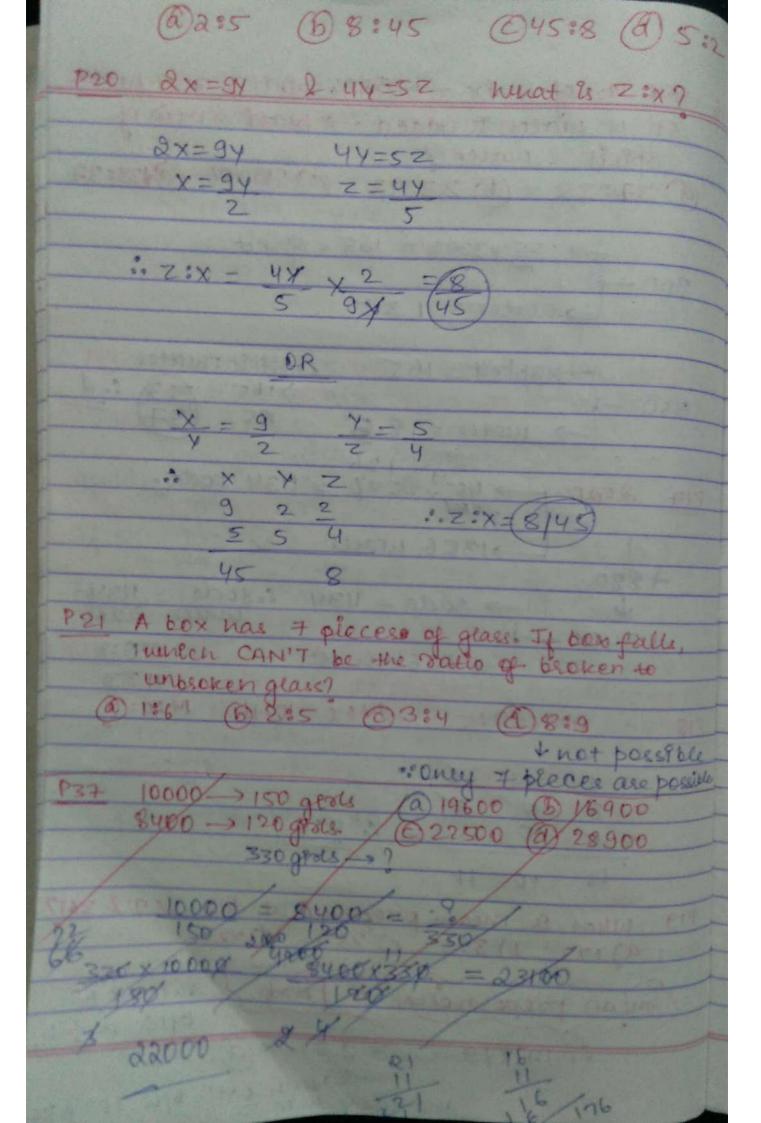












p37. The expense of girl's hostel are partly constant & partly vary as the no. of girls in hostel. The expenses were 18000 from 150 gous & 8400 for 120 garte. Find the expenses for 330 gives. @ 19600 (5) 16900 (5) 2500 (£) 28900 let constant expense = 48 x partly varying exp=, y : x+1504=10000 -D > 10000-150y= 8400-120y 1600 = 30 y y = 160/3 1964 W 1 2000 8. Expense N=8400-128×160 = 8400 - 6400 = 2000 :. Expense for 330 girls:-2000 + 326 \* 160 = 2000+ 17 500 = 19600 P38 \* Y = 18 A lump of teno metals melging 18 gms & Rs 90 but & nets are Priterichanged , Et mould worth Rs 72. It police of motal is Rs 6/900 then find the proce of other metal in onextuse? @ Rs 4/ gm (6) Rs 3.25/gm (8) Rs 3/gm (8) Rs 3/gm X+4=5pm = 4/900

cut. of 1st metal = a -> 6/gm 60 and metal = 18-a -> x/gm Egn 6a + (18-a) x = 90 ax + (18-a) 6 = 72=) 6a + 18x - ax = 90 ax + 108 - 6a = 7218x=54 => x=54/18 = (3) P39 It 10tt. are duanin from a cask quel of alcohol & replaced by soda and the process is repeated, the votes of alcohol to seda becomes 16:9. Find the capacity of a).50tt b) 48tt. c)40tt. d)46tt. -> 10H = Soda -> 20H = Soda - 2000 + 14 EC -> 10 H = Alcohol -> DCH = Alcohol X 5 1 1 1 1 1 (X - 20) x-20 316 X-10 4 4 X-20 16 x 20 X = 40 + 10 = 70 mp = 320 + 20 PENTAIN (BIRE = 370+ 180

Solve 1st time -> 4:3 ratio

difference the sedal alcohol is 1 part
that means 10 lt = 1 part.

New, 4 parts of alcohol we alredy have
k 1 part was removed earlier.

80, 5 parts -> 50 lt.

80, 5 parts -> 50 lt.

50 any multiple of 25 % ans.
So (50). (does not always work).