	Mixture and Alligation Thatbullese Page No YOUVA
(P	What ratio water mixed to milk to gain 201.?  To gain 2011 we sold to 120 % in which milk is of 100?  In 100 litre milk we add 20 litre water.  [ Ratio 20/100]
<ul><li>ℚ.</li></ul>	Tea worth $\neq 125$ , $\neq 145$ and third variety mixed in 1:1:2 Sold at CP of $160 \neq \text{per kg}$ price of third variety is? $125 \left(\frac{1}{4}\right) + 145 \left(\frac{1}{4}\right) + \left(\frac{22}{4}\right) = 160$
	$\left[ 2 = 185 \mp \right]$
Q,	Selling 1000 kg Sugar, Part Sold at 10% profit, rest at 30% profit he have 15% profit overall find guarity Sold at 30%?  here we have to find in what ratio if two quarrity added then they give 15%/kg if they give 10%,300 per kg. then we will use that ratio to find two parts of 1000 kg.  10 30 hence ratio is 3  15 5 to find quarrities we will use ratio as 1x1000 = 250 kg & 3x1000 = 750 kg
Q.	501. alcohol mix. replaced some amount with another 201. alcohol mix. to get 251. alcohol, The replaced quantity is?  Let alcohol replaced with price.  50 = 20 = Ratio of final mix is = 5  25 = 25 that means first type (501.) is = 5  Hence second type is replaced amount:  The property of the price of th

container have 30 lit milk; 5 lit taken replaced with wir it is repeated twice what is amount of milk now Process done 3 times total. milk remained = A[1-B]n = 30[1- \frac{5}{30}]^3 = 17 Two alloys cus Al, one have capper half as much as Alur another have copper thrice of Al how many times seco alloy must be added to get cu twice of AI? To find how much time we need to add second alloy first we find ratio of first: second allows and part th second have is his frequency of addition. Take copper as our property like price/kg, then first alloy copper is  $\frac{1}{3}$  and Aluminium is  $\frac{2}{3}$ Secondalloy Copper is 3 and Aluminium is 4 0 3 Ratio of first & second is 3 required propertion of mix, Ratio = 1/1 = 1 + is first alloy & is second alloy hence second Here added 4 Hmes. alloy  $\mathbb{Q}$ , vessel is filled with 3 parts water 5 part syrup Howmi mixture must be chawn off and replaced with water so that half water half syrup? if a lit, is removed and a water added. water 15 = 3 - 32 +2 syrup 1s = 5-52

3 - 32 + 2 = 5 - 52

120 = 3



