# CETATIE ALL BRANCHES

GENERAL APTITUDE

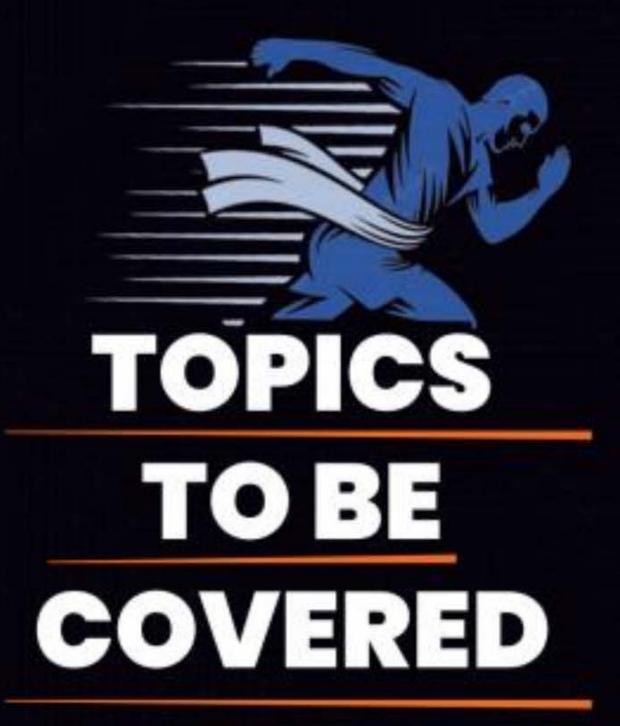
Quantitative Aptitude



Lecture No: 04

By-Amulya Ratan Sir







Understanding concept of Discount



Daily Life Puzzles



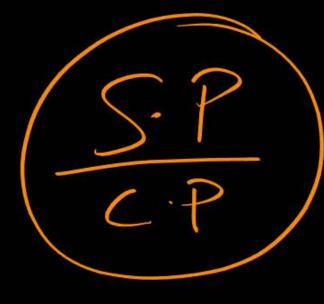
**Equations to Mixtures Alligations** 



Questionnaire on the Topic







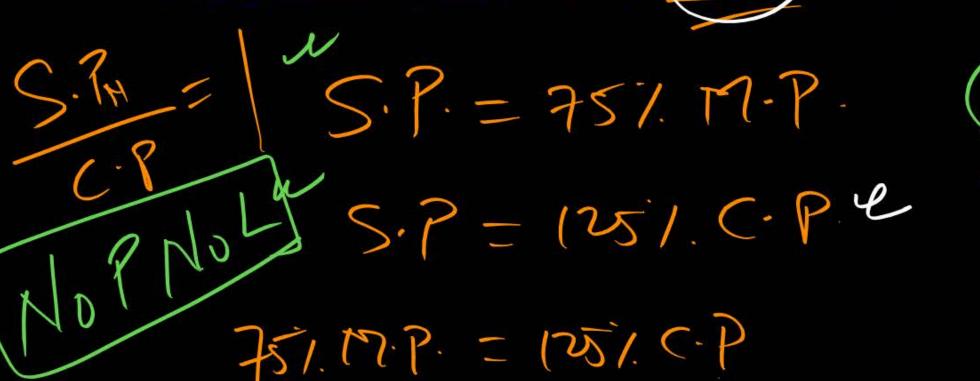
Marked Price

Per centage



#### Q. By giving a discount of 25%, a shopkeeper gains 25%. If

he gives a discount of 40%, find his gain or loss%.







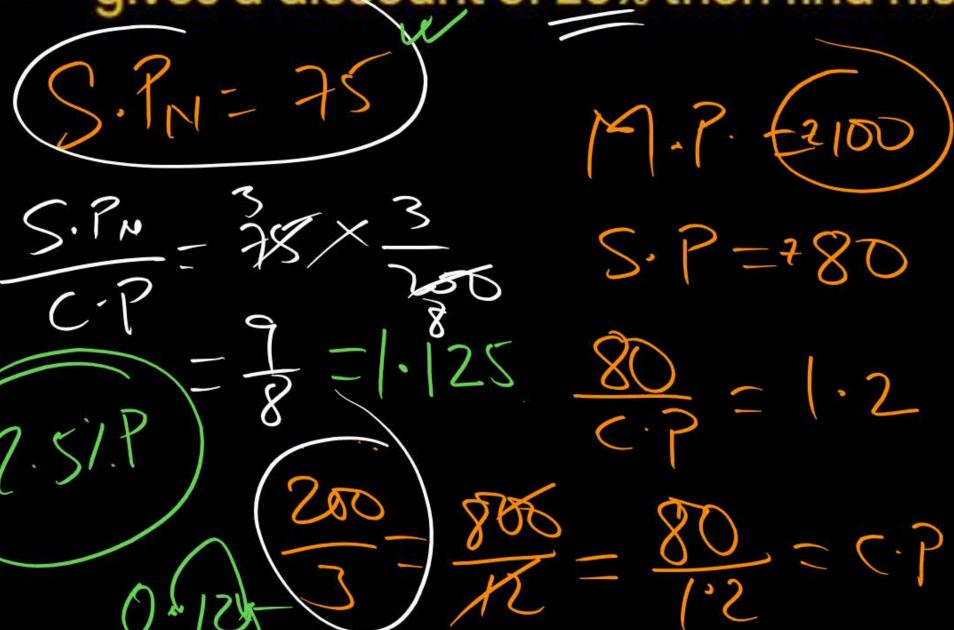
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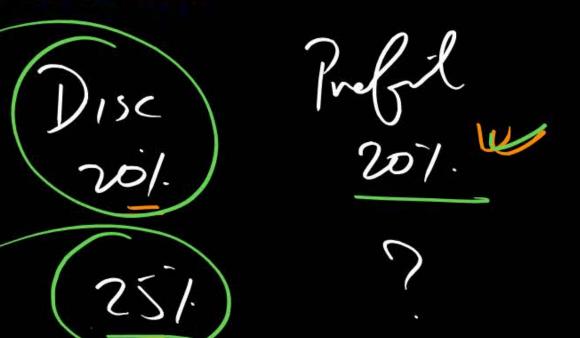


10 P NOL



## A trader gains 20% by giving a discount of 20%, if he gives a discount of 25% then find his P% or L%.







A trader marks his goods 12.5% above the cost price. His spring balance shows 950 grams for every kilogram. If he

gives a discount of 12.5% then what would be his gain or

loss percent?



3.61% profit

14.28% profit



10.67% profit



An article was sold at a profit of 20%. If both cost price and



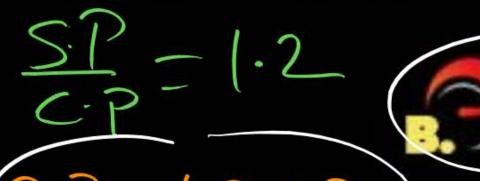
selling price are Rs.100 less each, then magnitude of the

percentage of profit would have been 4 percentage points

more than that in the first case. Then the cost price is



₹500









₹800

None of these

5kg of ghee was bought by Venu for Rs.300. One kg from

spoilt. He sells the remaining in such a way that on the

whole he incurs a loss of 10%. At what price per kg does he

sell the ghee?

₹46.25







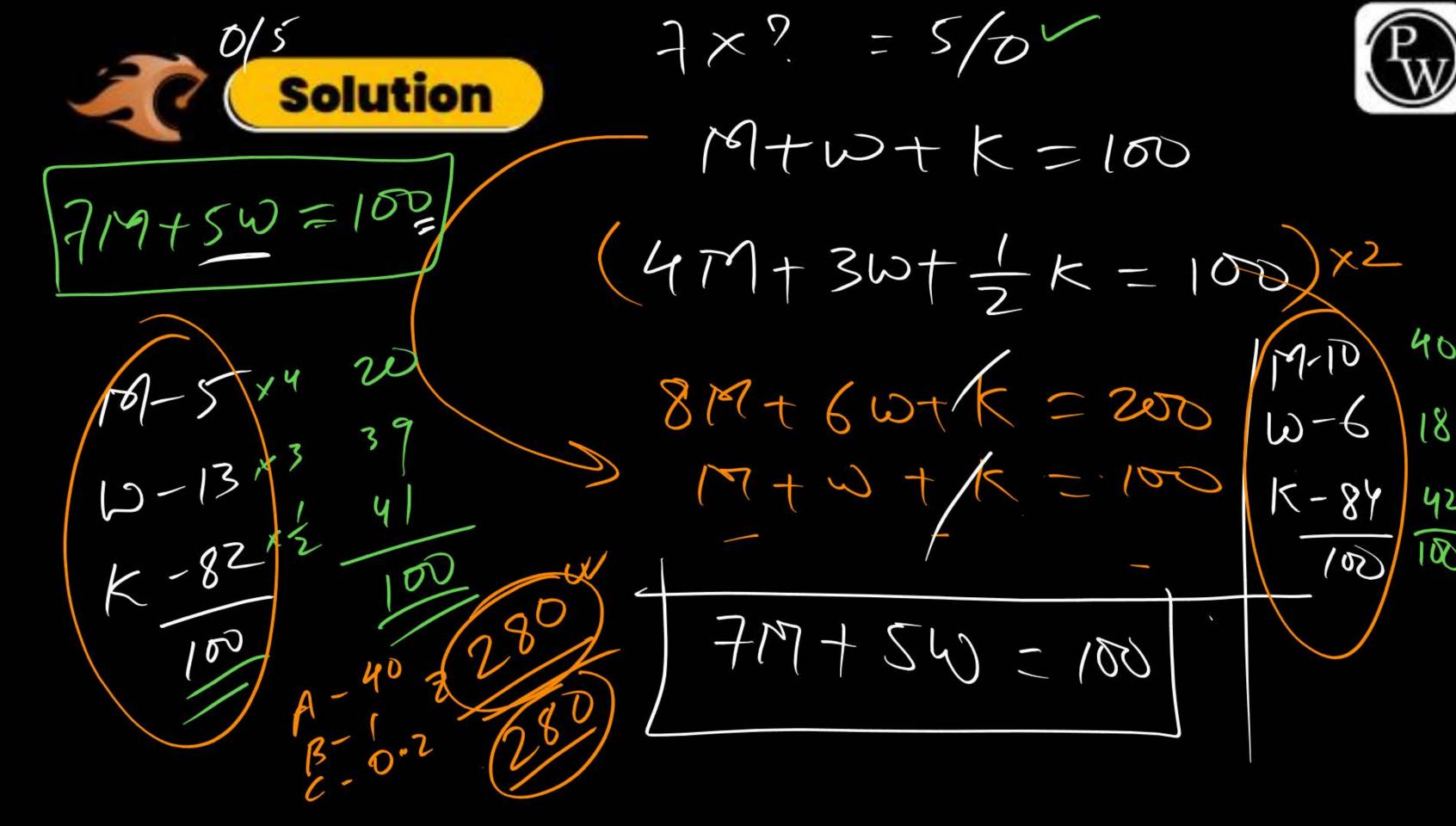


M74 W731

A function hall was filled with 100 guests including men, women and kids. 100 biscuits has to be distributed among these guests, such that each man gets 4 biscuits, each woman as 3 and each kid gets 1/2 biscuits. How many men, women and kids are there in function hall?

M>?

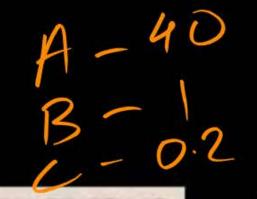
K => ?





A. 40











TOTAL Money : 280/-TOTAL Number of Product : 280



No. Cost

A+B+C = 280

A - 4 (x40) 160

40A+B+0.2C = 280

B- 81

8 40A+B+0.2C-A+B+C

C - 195 x (0.2) 39

39A= D.8C

580

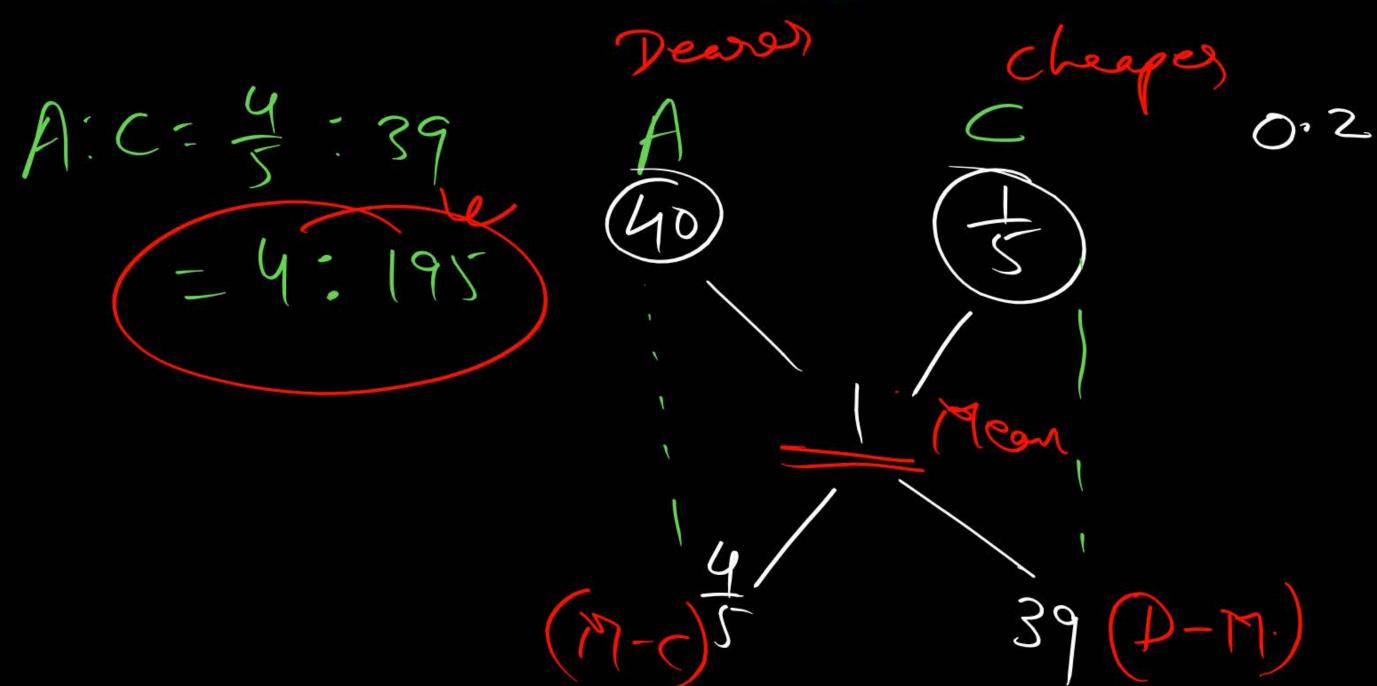
780

A = 0.8 = 390 - 1952



### **Mixtures Alligations**

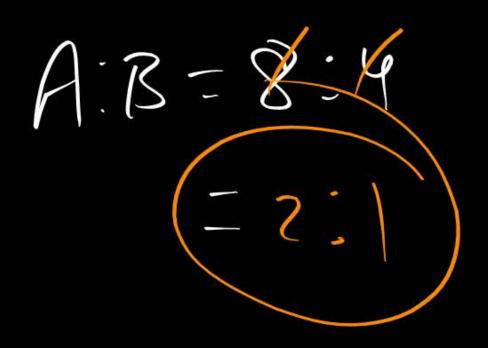


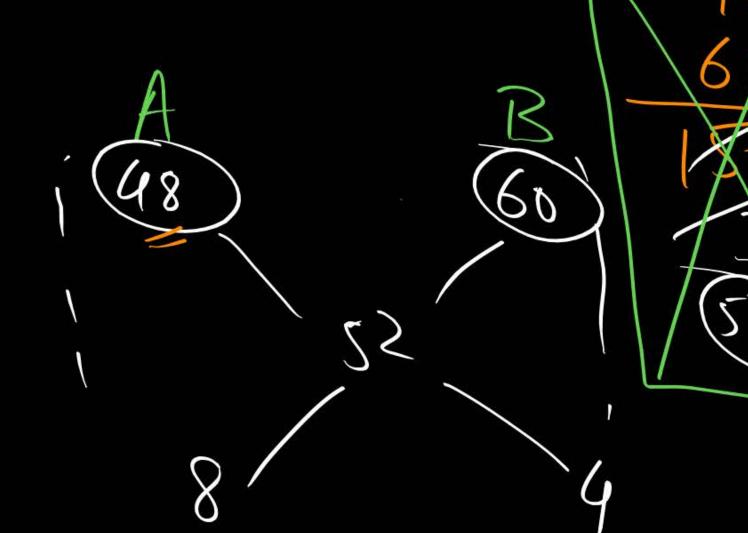




A trader purchases two varieties of rice 'A' & 'B' at the rate of ₹48/kg and ₹60/kg respectively. In what ratio he should mix he two varieties, so that the mixture

cost becomes ₹52/kg?







A trader purchases two varieties of Sugar 'P' & 'Q' at the rate of ₹42/kg and ₹80/kg respectively. In what ratio he should mix he two varieties, so that he can sell the mixture at ₹78/kg by getting 30% profit?

$$7.0 = 20.18 \quad 42) \quad 80 \quad 7 = 307.$$

$$= 10.9 \quad 60 \quad 78 = 1.3$$

$$= 1.3 \quad 78 = 0.7$$

In a class with 360 students, the average age of all the boys is 24 years whereas average age of all the girls is 18 years. If average age of whole class is 20 years, then find the number of girls in that class.

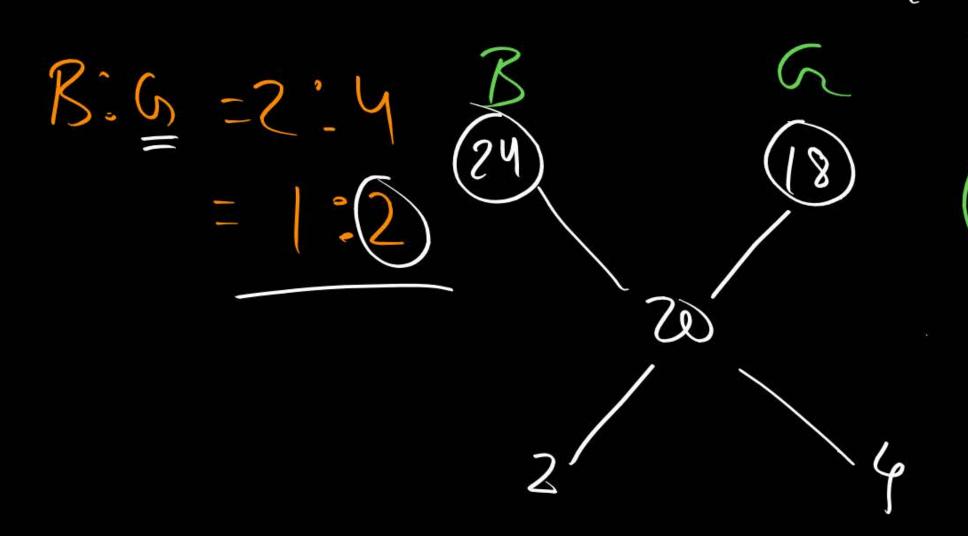
(2  $\times$  % 0



40







Q. A merchant sells 1600 sheeps at an overall profit of 25%. Some of them he sold at 20% profit whereas remaining at 40% profit. Find the number of sheeps he sold at 40%.

