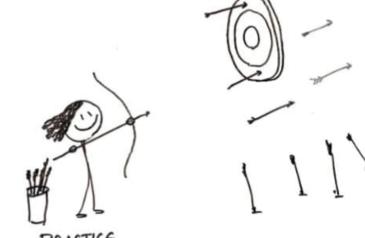
Practice: 1. Three persons A, B and C divide a certain amount of

- money such that A's share is Rs. 4 less than half of the total amount, B's share is Rs. 8 more than half of what is left and finally C takes the rest which is Rs. 14. Find the total amount they initially had with them?
- 2. If A:B = 2:3, B:C = 4:5 and C:D = 6:7, then A:B:C:D is:
- Find the mean proportional of the following pairs of numbers 50 and 512.
- 4. The salaries A, B, C are in the ratio 2:3:5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?



PERFECT

RACTICE

Practice:

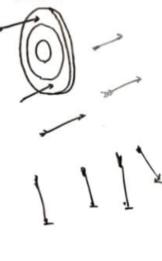
In what ratio must rice costing Rs.8.50 per kg be mixed with rice costing Rs.13 per kg so that the mixture be worth Rs.10 per kg?

A container contains 40 litres of milk. From this container 4 litres of milk was taken out and replaced by

- water. This process was repeated further two times. How much milk is now contained by the container? In what ratio must a grocer mix two varieties of pulses costing Rs. 15 and Rs. 20 per kg respectively so as to get
- a mixture worth Rs. 16.50 kg? Three persons get money in the ratio 2:2:5. If the total sum is Rs 133020. What is the maximum share Which one person got?







	Peroblemes CMtxture aug
JAns	:- Let total amount bex
	A's share = 2 - 4
	Remaining - x - (x - 4) = x +4
5	BS Share = 1 x (x+4)+8
	$-\frac{5c+2+8-5c+10}{4}$
9	Remaining = 22+4 - (2+10)
	$\frac{-2x+4-x-10}{4}$
	$= \frac{x - 6}{4}$
	This remaining is e's Share-RS14.

So,
$$\frac{5e}{4} - 6 = 14$$

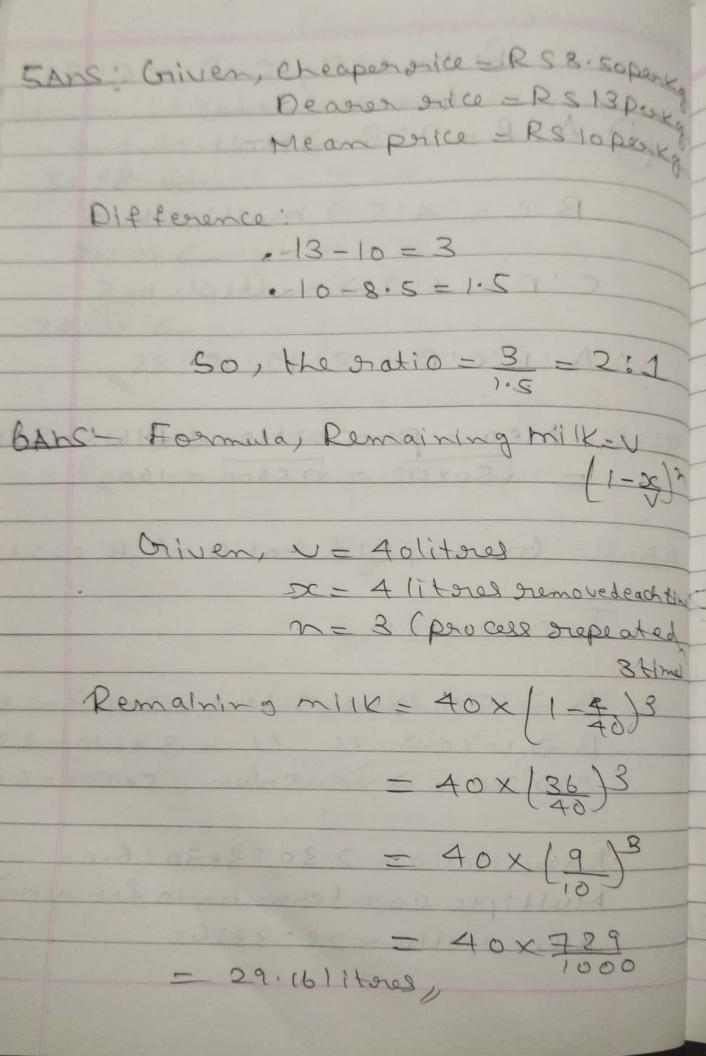
$$\frac{5e}{4} = 20 = 5$$

$$\frac{5e}{4} = 20 = 5$$

! Total amout = RS80.

2Ans: - Given, A:B= 213

B: C-4:5, C: D=6:7 (Make B's termeand) DA: B-2:3 -> multiply by 4 -> 8:12 Bic - 4:5 > multiple by 3 - - > 12:15 C:D= 6:77 multiple by 5 30:35 A:B:C:D = 8:12:15:35 3Ans; Mean peroportional BIW50252; - 150x512 = 525600 = 160, AANS!- Criven, Old Fatio - A:B: C-DISS Incremetsi A > 15'10 > new Salary = 2x1.15-2.30 B > 10°10 -> 11 /1 = 3×1.10 - 3.30 (2) 20'10 -) new Salary = 5x1.20 = 6.00 New ratio - 2:30:30:6.00
Multiple each term by 10 for declinate New anatio - 23:33:60



Using allegation! FARS Cheapens Pais Dearon = RS 20 Meanparce = 2516-50} Diff: 100/100 20-18.5-3.5 16.5-15-1.5 So, oratio - 3.5 = 7 = 7:3/ BANS: Total parts = 2+2+5 = aparts Value of one part - 133020 - 14780. Maximum Share = 5 x 14780 = 73900