In a class there are 24 students with an average weight of 35 kgs.

1) A teacher walks into the class, and hence the average increases by 400 gms. What is the weight of the teacher ?

229 — 34.69 kg

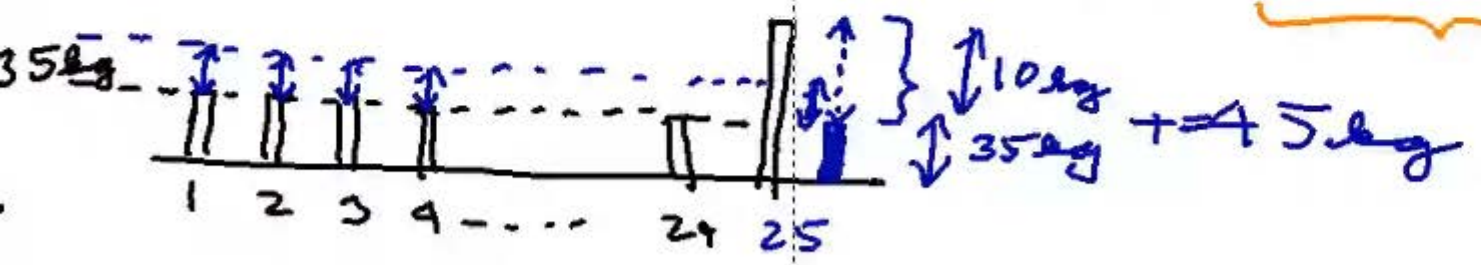
Tot Wt of 24 Ind = $(24 \times 35) = \alpha$

Teach $= x$

374 gm

$$\frac{\alpha + x}{25} = (35 + 0.4)$$

$$x = (25 \times 35.4) - \alpha$$



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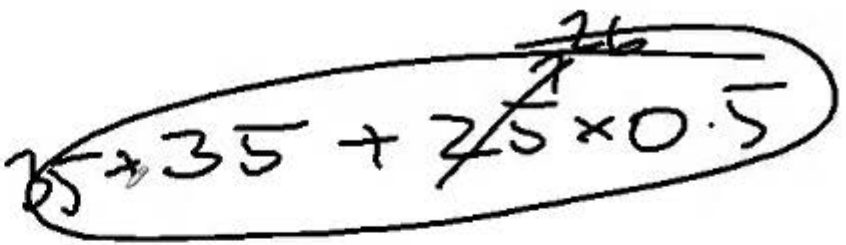

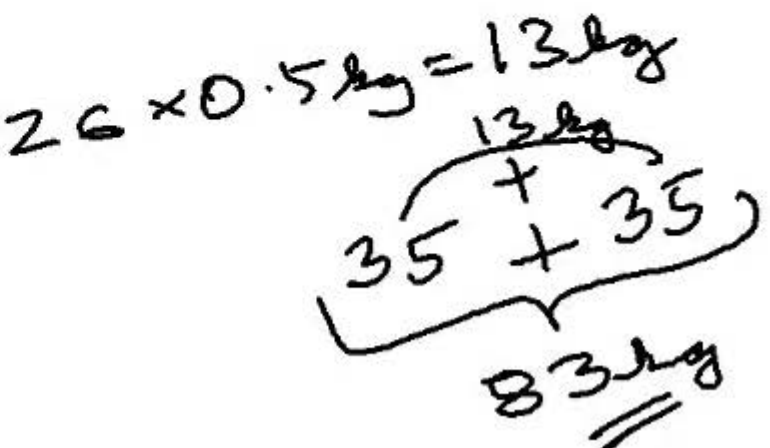

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3) 1 student ran away. As a result the average increased by 100 gms. What is the weight of the student who ran away ?

4) 2 students ran away. As a result the average decreased by 200 gms. What was the total weight of the 2 students who ran away ?