

Modeling + & -

* First = common denominators

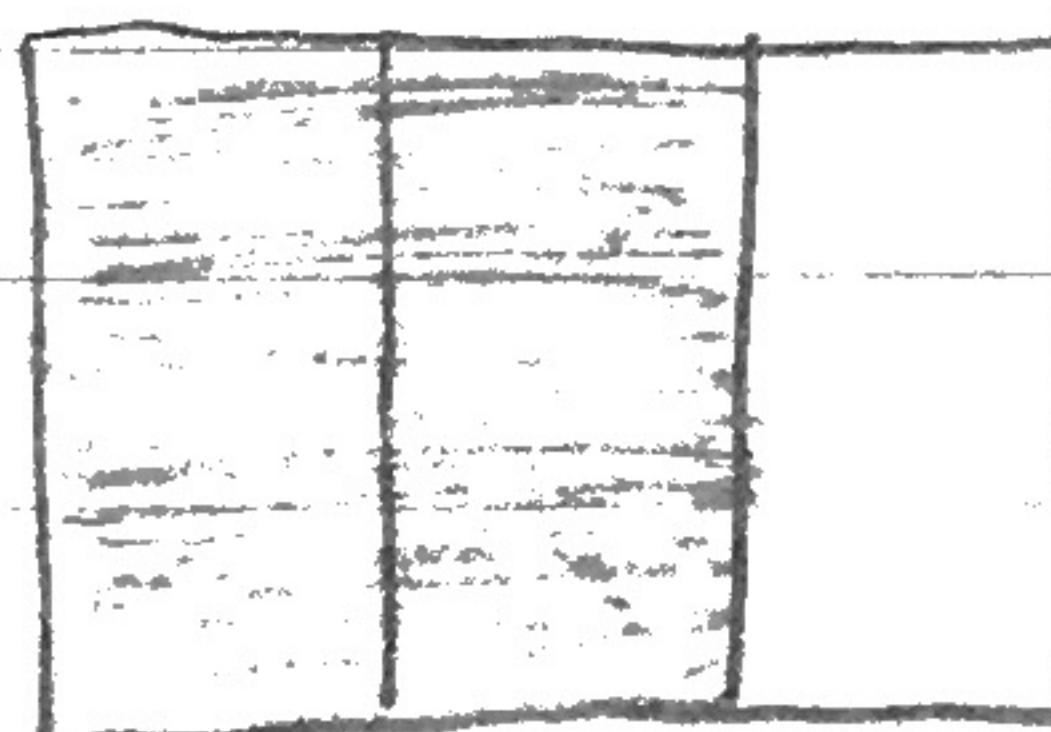
ex: $\frac{2}{3} - \frac{5}{12} =$

- common denominator = 12

↳ in order to change $\frac{2}{3}$ into 12ths
you multiply it by $\frac{4}{4}$

$$\left(\frac{2}{3} \times \frac{4}{4} = \frac{8}{12} \right)$$

• To model this, first model $\frac{2}{3}$



• Then model it into 4ths going the opposite way



Notice that your model now is in 12ths and 8 are shaded = $\frac{8}{12}$ which is exactly what you should have!

- Now just cross out 5 of the shaded ones to get your answer.



$$= \frac{3}{12} = \frac{1}{4}$$

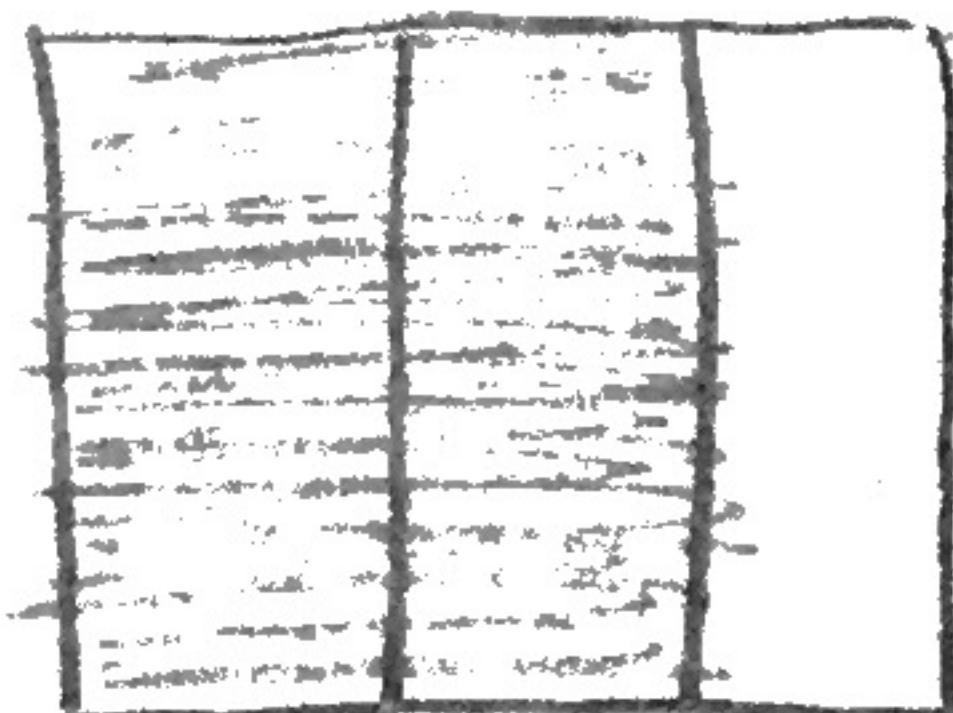
NOW adding:

$$\frac{2}{3} + \frac{1}{6} =$$

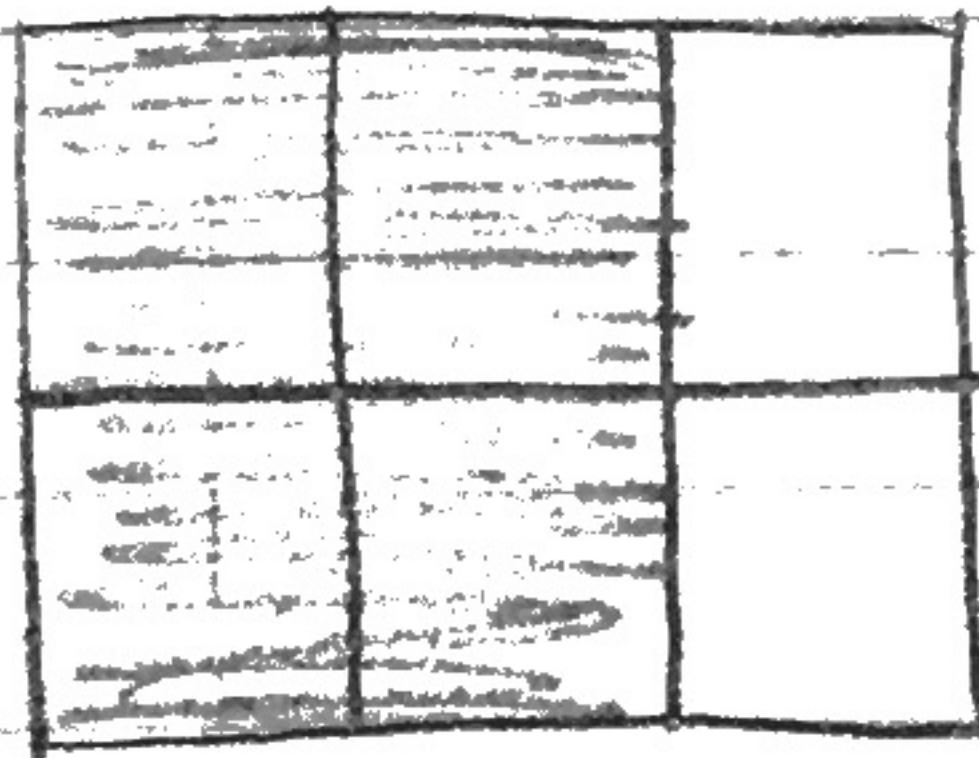
- common denominator = 6

$$\frac{2}{3} \times \frac{2}{2} = \frac{4}{6}$$

① Model $\frac{2}{3}$



② Model the opposite way into halves



- It is now in 6ths and 4 are already shaded.

③ Add to

