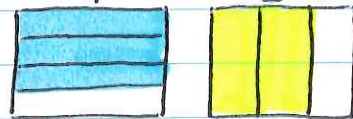


Visual Model for Dividing Fractions

by Paul Scalise

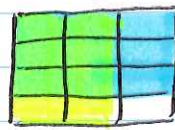
$$\frac{3}{4} \div \frac{2}{3}$$

Dividend $\frac{3}{4}$ Divisor $\frac{2}{3}$

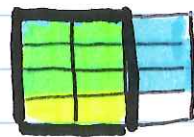


① First, look at the two individual models

② Second, superimpose the two models.

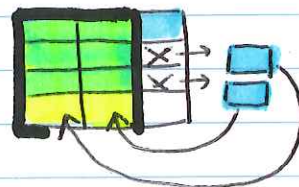


The divisor is the "math action", so look at that section.

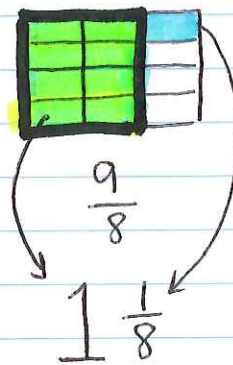


* The divisor created a new fraction model.

③ Third, move any of the original pieces of the dividend into the new model.



④ Fourth, find the quotient.



Proof with "Keep-Change-Flip":

$$\frac{3}{4} \div \frac{2}{3} =$$

$$\frac{3}{4} \circ \frac{3}{2} = \frac{9}{8} = 1\frac{1}{8}$$

Keep change Flip