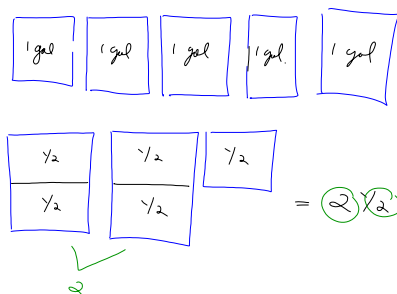
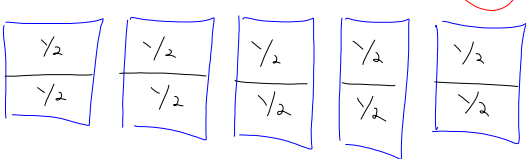


February 25, 2015
 * Pop Quiz!
 . What is the meaning of a Fraction?

Feb 25-9:00 AM

5 gal of gas $\cdot \frac{1}{2}$?
 $\frac{5}{1} \cdot \frac{1}{2} =$
 $\frac{5}{1} \rightarrow \frac{1}{2} = \frac{5}{2} = 2\frac{1}{2}$ - meaning?


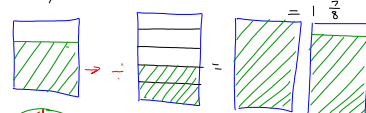
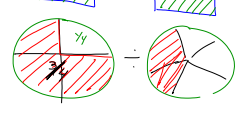
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Keep Change Flip
 $\frac{5}{1} \div \frac{1}{2} = \frac{5}{1} \cdot \frac{2}{1} = \frac{10}{1}$
 $= 10$


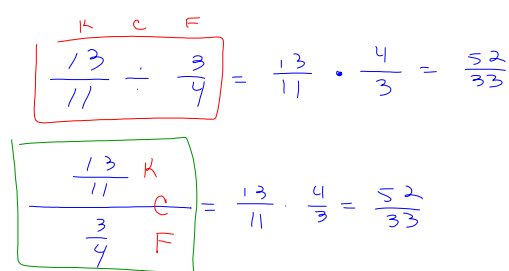
Feb 25-9:18 AM

$5 \cdot 4 = 20$ things

Feb 25-9:15 AM

Division of Fractions
 $\frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \cdot \frac{d}{c}$
 (Keep a/b, Change c/d to d/c)
 $= \frac{ad}{bc}$
 $\frac{3}{4} \div \frac{2}{5} = \frac{3}{4} \cdot \frac{5}{2} = \frac{15}{8}$


 $\frac{3}{4} \div \frac{2}{5} = 1 \frac{7}{8}$ of a pie of

Feb 25-9:22 AM

$\frac{13}{11} \div \frac{3}{4} = \frac{13}{11} \cdot \frac{4}{3} = \frac{52}{33}$

 Complex Fraction or Alternate form

Feb 25-9:37 AM

addition (subtraction)
with Like Denominators

$$\frac{a}{b} + \frac{c}{b} = \frac{a+c}{b}$$

Like

$$\frac{5}{8} + \frac{3}{8} = \frac{5+3}{8} = \frac{8}{8} = 1$$

Like

Feb 25-9:42 AM

$$\frac{1}{4} + \frac{2}{4} = \frac{1+2}{4} = \frac{3}{4}$$

Feb 25-9:46 AM