

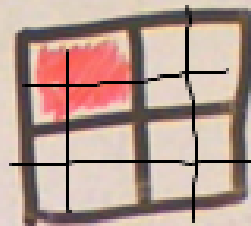
Fractions

- part of a whole

ex.



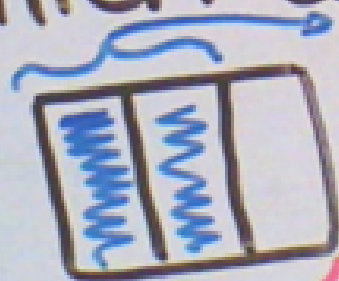
a whole



part of a whole

$$\frac{1}{4} = \frac{4}{16}$$

- Written as:



we have 2 pieces

3 pieces in the whole

$$\frac{2}{3}$$

Numerator (N)

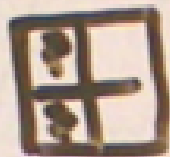
• how many pieces there are

Denominator (D)

• how many pieces in the whole

Simplify Fractions

$\frac{1}{2}$ and $\frac{2}{4}$ have the same value



- we simplify to make things easier

- they mean the same BUT $\frac{1}{2}$ is easier to understand.

How:

$$\frac{36}{48} \div 12 \quad \left(\begin{array}{c} 3 \\ 4 \end{array} \right)$$

$$\frac{2}{4} \div 2 = \frac{1}{2}$$

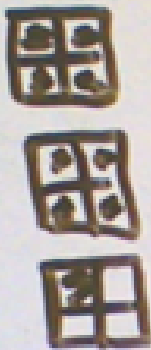
ex.

$$\frac{36}{48} \stackrel{\div 2}{=} \frac{18}{24} \stackrel{\div 2}{=} \frac{9}{12} \stackrel{\div 3}{=} \frac{3}{4}$$

Mixed Fractions

- a whole number and a fraction


ex.

$$2\frac{1}{4}$$


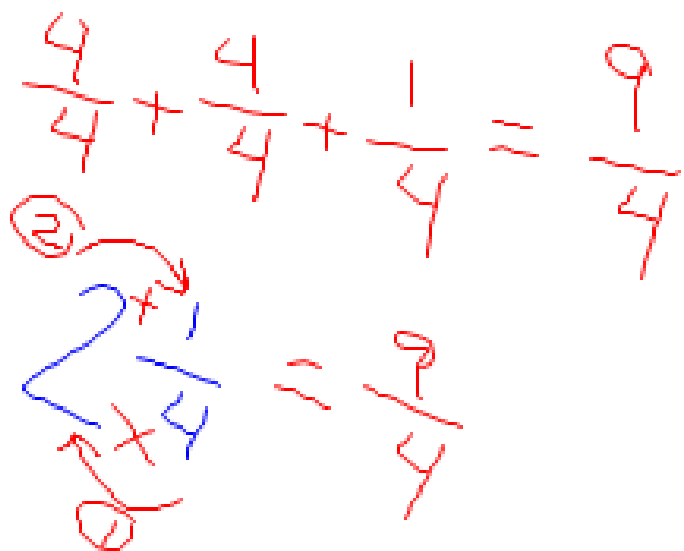
Improper Fractions

- the N is bigger than D.

ex.

$$\frac{9}{4}$$


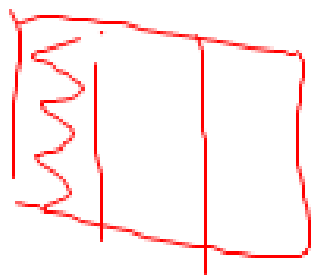
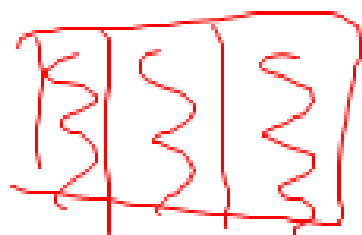
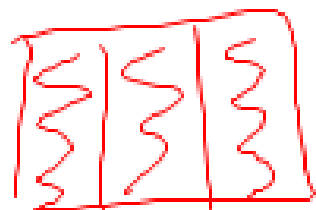
CHANGING MIXED TO IMPROPER

$$\frac{4}{4} + \frac{4}{4} + \frac{1}{4} = \frac{9}{4}$$


CHANGING IMPROPER TO MIXED

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

$$\frac{7}{3}$$



$$2\frac{1}{3}$$

<http://www.jattwater.ca/uploads/4/0/6/5/40652391/nov.9.pdf>

<https://www.mathworksheets4kids.com/fractions/types/conversion-1.pdf>