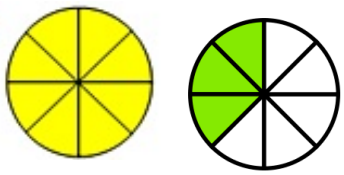
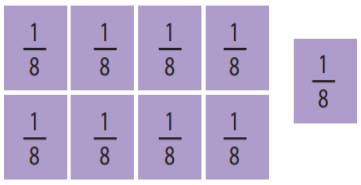
Proper to Improper Fractions (Top heavy)

MTH 3-07c Having used practical pictorial and written methods to develop my understanding, I can convert between whole or mixed numbers and fractions.

$1\frac{3}{8}$ Looks like  $= \frac{11}{8}$

$2\frac{5}{7} = \frac{2 \times 7 + 5}{7} = \frac{19}{7}$

Improper to Proper Fractions

$\frac{9}{8}$ **looks like**  $= 1\frac{1}{8}$

$\frac{11}{5} = 11 \div 5 = 2$ remainder $1 = 2\frac{1}{5}$

Simplifying Fractions

We should always check if a fraction can be simplified.

$\frac{2}{4} \overset{\div 2}{=} \frac{1}{2}$ $\qquad \frac{3}{12} \overset{\div 3}{=} \frac{1}{4}$ $\qquad \frac{15}{20} \overset{\div 5}{=} \frac{3}{4}$

Sometimes when it is not obvious to see a higher factor there is nothing wrong with halving and halving again until you do notice a factor.

$$\frac{28}{42} \overset{\div 2}{=} \frac{14}{21} \overset{\div 7}{=} \frac{2}{3}$$