Using these 2 grids show how $\frac{1}{2}$ equals $\frac{2}{4} $ by shading each diagram.

Fraction Grids: Understanding Fractions

Now write an equation underneath of the two diagrams to show how

 $\frac{1}{2}$ is equivalent to $\frac{2}{4}$ *(show all working out in the equation)*

Using these 2 grids show how $\frac{1}{2}$ equals $\frac{3}{6} $ by shading each diagram.

Now write an equation underneath of the two diagrams to show how

 $\frac{1}{2}$ is equivalent to $\frac{3}{6}$ *(show all working out in the equation)*

Using these 2 grids show how $\frac{1}{3}$ equals $\frac{2}{6} $ by shading each diagram.

Now write an equation underneath of the two diagrams to show how

 $\frac{1}{3}$ is equivalent to $\frac{2}{6}$ *(show all working out in the equation)*



Place these 2 grids over the top of each other to form this new grid of eighths

Shade the grids below to show how each fraction is equivalent:

 $\frac{2}{8}$ = $\frac{1}{4}$ =



 $\frac{4}{8}$ = $\frac{2}{4}$ =



 $\frac{6}{8}$ = $\frac{3}{4}$ =



 $\frac{8}{8}$ = $\frac{4}{4}$ =

Place these 2 grids over the top of each other to form this new grid of eighths

Shade the grids below to show how each fraction is equivalent:

 $\frac{6}{18}$ = $\frac{2}{6}$ =



 $\frac{12}{18}$ = $\frac{4}{6}$ =



 $\frac{3}{18}$ = $\frac{1}{6}$ =



 $\frac{6}{18}$ = $\frac{2}{6}$ =

Show why these fractions are equivalent without using pictures of grids by recording what you are simplifying each fraction by.

$\frac{3}{18}$ = $\frac{1}{6}$

$\frac{9}{18}$ = $\frac{3}{6}$

$\frac{15}{18}$ = $\frac{5}{6}$

$\frac{5}{10}$ = $\frac{1}{2}$

$\frac{4}{10}$ = $\frac{2}{5}$