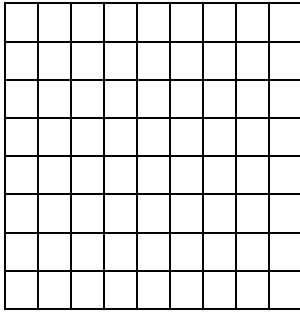


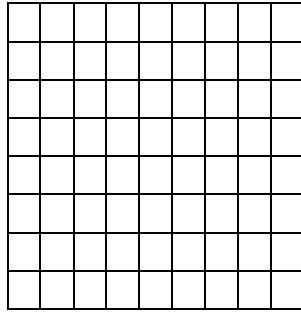
Infinity can be smaller than you think!

1. Shade each grid to represent each of the five fractions.

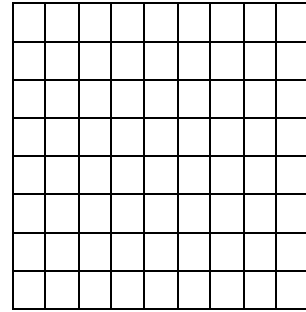
$1/2$



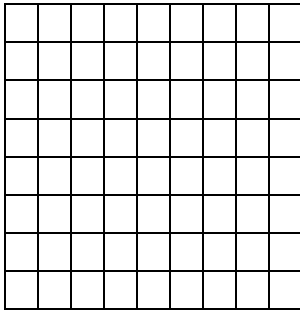
$1/4$



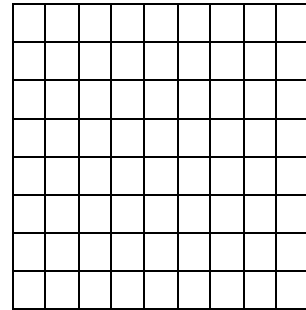
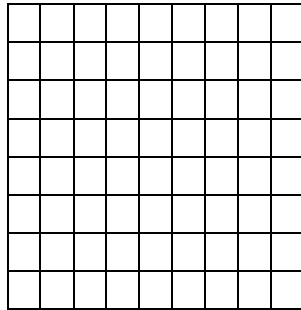
$1/8$



$1/16$



$1/32$



2. Use a pair of scissors to cut out the shaded parts.

3. Imagine continuing to shade more and more fractions in this pattern (like $1/64$, $1/128$, $1/256$... and so on) and cutting out the shaded parts forever. If you were to join all the shaded parts to form a new shape, how big would that shape be? Would it fit on your desk? In your classroom? In your school?

