



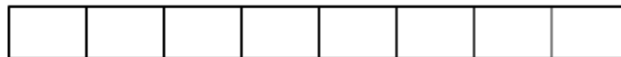
Equivalent Fractions

1) Write down what fraction of the shapes are shaded in?

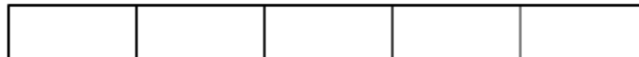


2) What can you say about your first three answers?

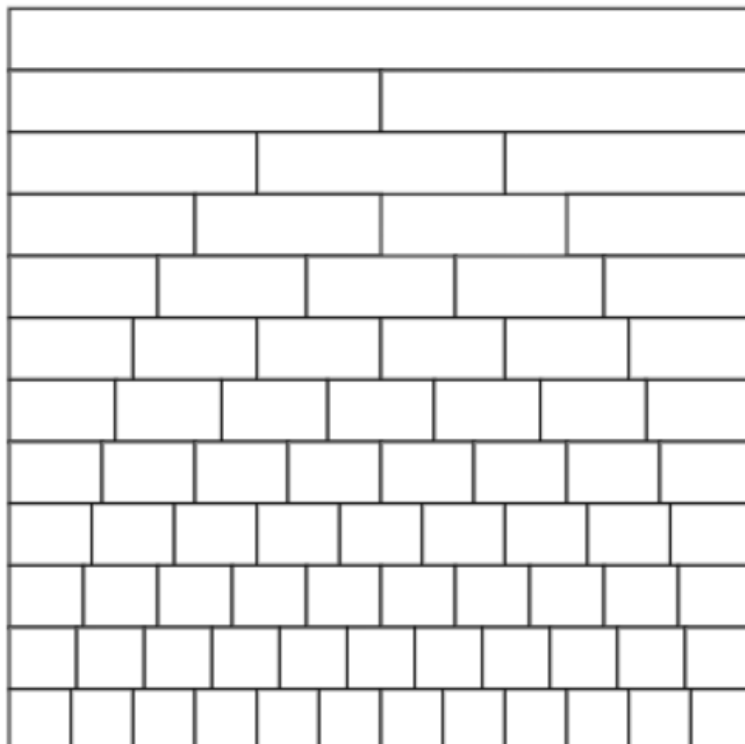
3) Shade in some boxes to make this shape match your pattern



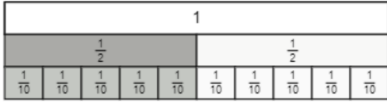

4) Have you noticed something about the total number of parts in each diagram? How would you make the following shape match your pattern?



5) Using this diagram, can you make five different groups of equivalent fractions. Each group must have at least two fractions in. (For example, all the diagrams from question 1 could be a group)



6) Fill in the blanks

	Pair of fractions	Equivalent (yes or no)	Diagram	Reason
1	$\frac{1}{2}$ and $\frac{5}{10}$	Yes		The numerator and denominator are both 5 times bigger
2	$\frac{1}{4}$ and $\frac{3}{12}$			
3	$\frac{2}{3}$ and $\frac{\square}{12}$	Yes		
4	$\frac{1}{3}$ and $\frac{2}{4}$			
5	$\frac{6}{\square}$ and $\frac{3}{4}$	Yes		
6	$\frac{5}{7}$ and $\frac{4}{6}$			
7	$\frac{4}{3}$ and $\frac{12}{9}$			
8	$1\frac{1}{3}$ and $1\frac{3}{9}$			
9	$2\frac{3}{4}$ and $4\frac{6}{8}$			
10	$2\frac{3}{4}$ and $\frac{\square}{12}$	Yes		

7) What rules can you generalise from the table?