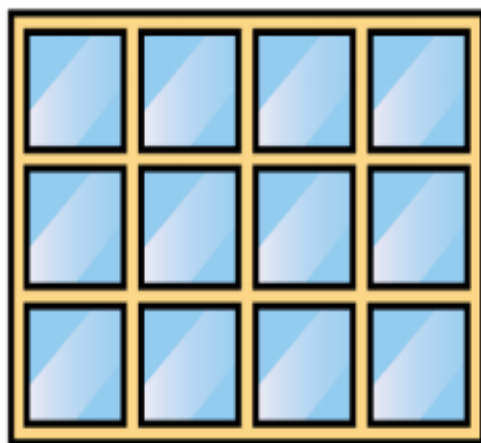


How many equivalent fractions can you see in this picture?



Children can give a variety of possibilities.  
Examples:

$$\frac{1}{2} = \frac{6}{12} = \frac{3}{6}$$

$$\frac{1}{4} = \frac{3}{12}$$

Ron has two strips of the same sized paper.

He folds the strips into different sized fractions.

He shades in three equal parts on one strip and six equal parts on the other strip.

The shaded areas are equal.

What fractions could he have folded his strips into?

Ron could have folded his strips into sixths and twelfths, quarters and eighths or any other fractions where one of the denominators is double the other.

Eva says,



I know that  $\frac{3}{4}$  is equivalent to  $\frac{3}{8}$  because the numerators are the same.

Is Eva correct?  
Explain why.

Eva is not correct.  
 $\frac{3}{4}$  is equivalent to  $\frac{6}{8}$   
When the numerators are the same, the larger the denominator, the smaller the fraction.