Equivalent Fractions

Remember that one way to understand a fraction is to interpret the bottom as the number of equal-sized pieces in one cake, pizza, gallon, inch, hour, or whatever. Then, the top represents the number of pieces you're talking about. For example, \( \frac{3}{4} \) would mean 3 slices out of a pizza cut into 4 equal-sized pieces.

Now suppose we further cut up the pizza, so it is cut into 8 equal-sized pieces.

\[
\frac{3}{4} = \frac{6}{8}
\]

Each original slice is worth 2 new slices. So, the 3 original slices we were talking about are equivalent to 6 of the new slices.

Now here's an example for you to try: