

# Equivalent or Not?

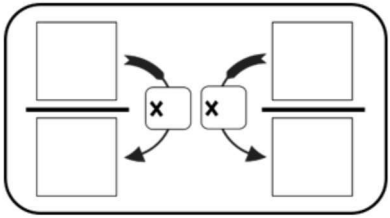
Name: \_\_\_\_\_

Proving equivalence in a variety of ways

There are a variety of ways to prove if 2 fractions are equivalent. Use the method shown for each fraction pair and determine if the fractions are equal (=) or not equal (≠).

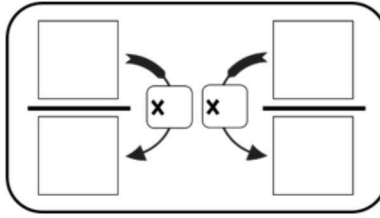
1.  $\frac{2}{4} \bigcirc \frac{3}{6}$

the numerator x \_\_\_\_ = the denominator



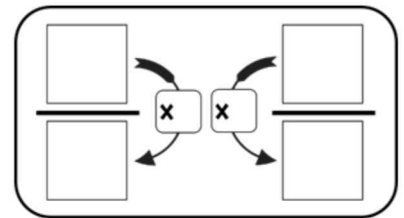
2.  $\frac{2}{12} \bigcirc \frac{3}{9}$

the numerator x \_\_\_\_ = the denominator



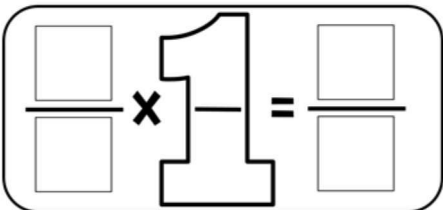
3.  $\frac{5}{25} \bigcirc \frac{3}{15}$

the numerator x \_\_\_\_ = the denominator



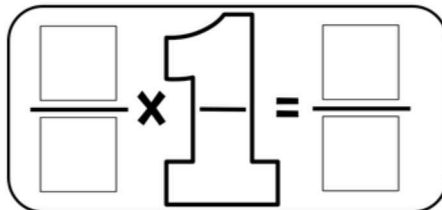
4.  $\frac{3}{8} \bigcirc \frac{9}{16}$

Multiply by a fraction equal to one



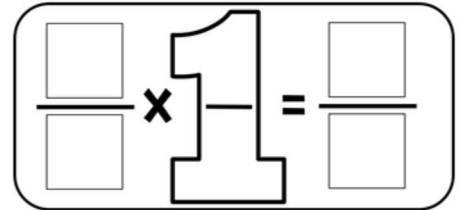
5.  $\frac{7}{3} \bigcirc \frac{21}{9}$

Multiply by a fraction equal to one



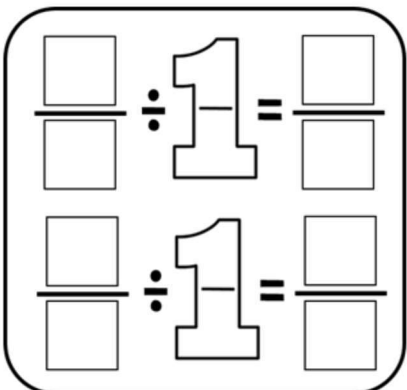
6.  $\frac{5}{8} \bigcirc \frac{15}{32}$

Multiply by a fraction equal to one



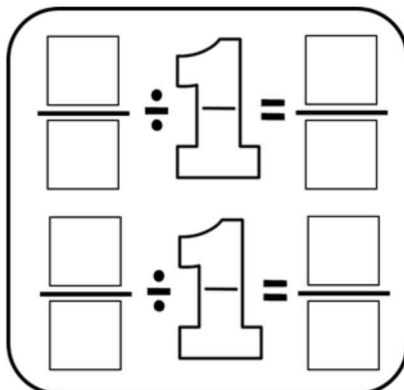
7.  $\frac{9}{12} \bigcirc \frac{6}{8}$

Simplify each fraction



8.  $\frac{2}{10} \bigcirc \frac{3}{12}$

Simplify each fraction



9.  $\frac{6}{9} \bigcirc \frac{4}{8}$

Simplify each fraction

