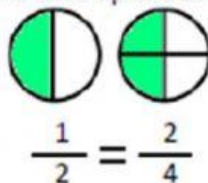


Name: _____

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Mini-Lesson: Learn the Skill

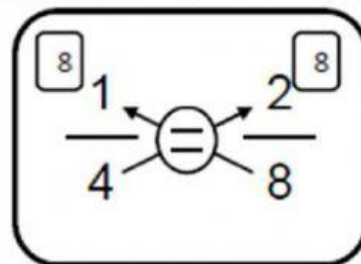
Equivalent means equal. Equivalent fractions take up the same amount of shaded space; they have the same area. Look at the figures to the right.



Notice that the shaded part of both figures have the same area; that is, they both cover the same amount of shaded space inside each figure. So the fractions $\frac{1}{2}$ and $\frac{2}{4}$ are equal.

Equivalent fractions have different numerators and denominators, but their value is still the same. A strategy for finding equivalent fractions without the use of pictures is called "**Bottoms Up!**" The steps and an example are shown below.

- ✓ Multiply the left denominator (bottom) by the right numerator (top.)
- ✓ Write the product (answer) next to the right numerator.
- ✓ Multiply the right denominator by the left numerator.
- ✓ Write the product next to the left numerator.
- ✓ Compare the two products. If they are the same, the fractions are equivalent. If they are not the same, the fractions are not equivalent.



Use What You Know: Apply the Skill

Directions: Write the equivalent fraction.

1. $\frac{4}{6} = \underline{\hspace{2cm}}$	2. $\frac{2}{4} = \underline{\hspace{2cm}}$	3. $\frac{5}{10} = \underline{\hspace{2cm}}$	4. $\frac{9}{15} = \underline{\hspace{2cm}}$	5. $\frac{4}{12} = \underline{\hspace{2cm}}$
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Directions: Use "Bottoms Up!" to prove these fractions are equivalent. Write the products in the boxes.

6.	7.	8.	9.	10.
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