Fractions: Equivalent Fractions Part 2

Name: _____ Date: _____

Mini-Lesson: Learn the Skill

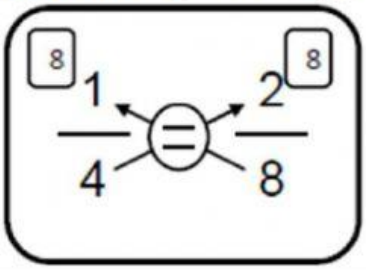
Equivalent means equal. Equivalent fractions take up the same amount of shaded space; they have the same area. Look at the figures to the right.

$\frac{1}{2} = \frac{2}{4}$

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 $^1/_2$ and $^2/_4$ are equal.

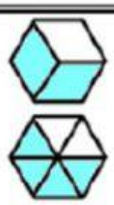
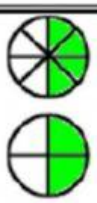
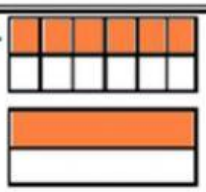
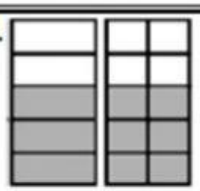
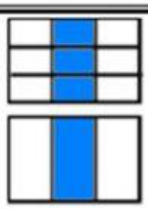
Equivalent fractions have different numerators and denominators, but their value is still the same. A strategy for finding equivalent fractions without the use of pictures is called "**Bottoms Up**!" The steps and an example are shown below.

- ✓ 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.

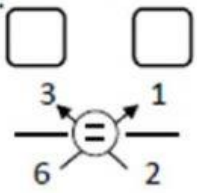


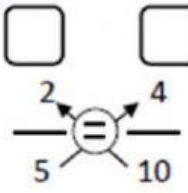
Use What You Know: Apply the Skill

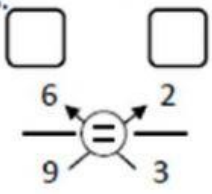
Directions: Write the equivalent fraction.

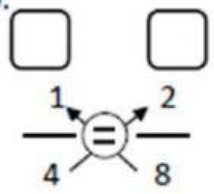
1.  $\frac{4}{6} = \frac{\quad}{\quad}$
2.  $\frac{2}{4} = \frac{\quad}{\quad}$
3.  $\frac{1}{2} = \frac{\quad}{\quad}$
4.  $\frac{3}{5} = \frac{\quad}{\quad}$
5.  $\frac{1}{3} = \frac{\quad}{\quad}$

Directions: Use "Bottoms Up!" to prove these fractions are equivalent. Write the products in the boxes.

6. 

7. 

8. 

9. 

10.