

Name \_\_\_\_\_ Date \_\_\_\_\_

### III. Equivalent fractions



**Lesson Objective:** We will use our knowledge of numerators and denominators and visual representations to find equivalent fractions.

1. Explore: Play with the first tab, "Build a fraction," for 5 minutes.

#### Third Tab: fraction Lab

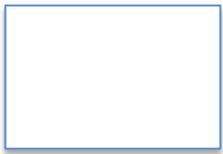
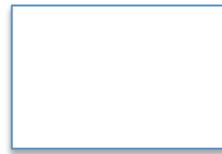
2. Find three or more fractions that are equivalent to  $\frac{1}{2}$ . Sketch your findings below.

$\frac{1}{2}$			
			

3. Represent  $\frac{4}{6}$  two different ways.

$\frac{4}{6}$	
	

4. Represent  $\frac{3}{4}$  two different ways.

$\frac{3}{4}$	
	

5. How can you explain to a student who has not played the sim that  $\frac{1}{4} = \frac{2}{8}$ ? Use words, symbols, or pictures to help them see the equivalence.

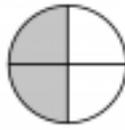


$$\frac{1}{3}$$

=

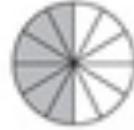


$$\frac{2}{6}$$



$$\frac{2}{4}$$

=



$$\frac{6}{12}$$

**6. Turn and Talk:** Try to identify a relationship between the two numerators and the two denominators in each of the equivalent fraction pairs above. Share your ideas.

How can you tell when fractions are equivalent? Can you find a pattern?