



Equivalent Fractions

Let's find some equivalent fractions.

Warm-up

True or False: Equivalence

Decide if each statement is true or false. Be prepared to explain your reasoning.

$$\bullet \quad \frac{4}{8} = \frac{7}{8}$$

$$\bullet \quad \frac{3}{4} = \frac{6}{8}$$

$$\bullet \quad \frac{2}{6} = \frac{2}{8}$$

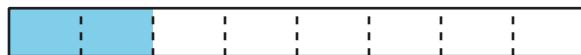
$$\bullet \quad \frac{6}{3} = \frac{4}{2}$$

Activity 1

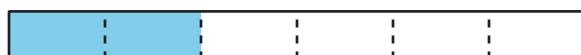
Two or More Fractions

1. Each whole diagram represents 1. Write 2 or more fractions that the shaded part of each diagram represents. Be prepared to explain your reasoning.

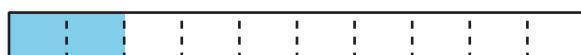
a.



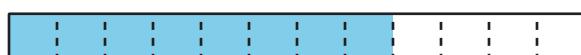
b.



c.



d.



2. Write 2 or more fractions that the point on each number line represents. Be prepared to explain your reasoning.

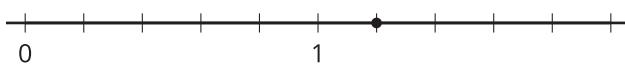
a.



b.



c.



d.



3. Draw a new point on a tick mark on one of the last two number lines that you just used. Then write 2 fractions that the point represents.

Activity 2

Equivalent for Sure?

For each fraction, write 2 equivalent fractions.

Partner A

1. $\frac{3}{2}$

Partner B

1. $\frac{4}{3}$

2. $\frac{10}{6}$

2. $\frac{14}{10}$

Next, show or explain to your partner how you know that the fractions you wrote are equivalent to the original. Use any representation that you think is helpful.