Unit 5, Lesson 11

Generate Equivalent Fractions

Let's generate equivalent fractions.

Warm-up

Number Talk: Something Times 8

Find the value of each expression mentally.

- 2×8
- 6×8
- 10×8
- 12×8

Activity 1

Show Equivalence

1. The diagram represents 1.



   a. What fraction does the shaded part of the diagram represent?

   b. Jada says it represents $\frac{4}{8}$. Tyler is not so sure.

      Do you agree with Jada? If so, explain or show how you would convince Tyler that Jada is correct. If not, explain or show your reasoning.

2. Each diagram represents 1.

   a. Show that the shaded part of this diagram represents both $\frac{1}{3}$ and $\frac{2}{6}$.



   b. Show that the shaded part of this diagram represents both $\frac{6}{8}$ and $\frac{3}{4}$.



   c. Show that the shaded part of this diagram represents both $\frac{6}{6}$ and $\frac{2}{2}$.



Activity 2

More than One Name

1. Each diagram represents 1. Write 2 fractions represented by the shaded part of each diagram.

   a.



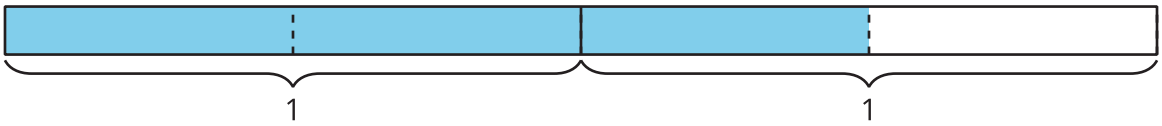
   b.



   c.



2. Here's another diagram.



   a. What fraction does the shaded part of the diagram represent?

   b. Write another fraction that it represents.