

Grade 4 Unit 2

Lesson 4

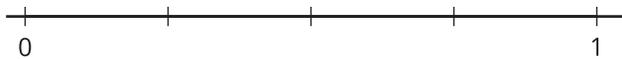
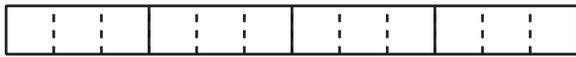
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Unit 2 Lesson 4: Same Size, Related Sizes

WU Notice and Wonder: A Fraction Strip and a Number Line (Warm up)

Student Task Statement

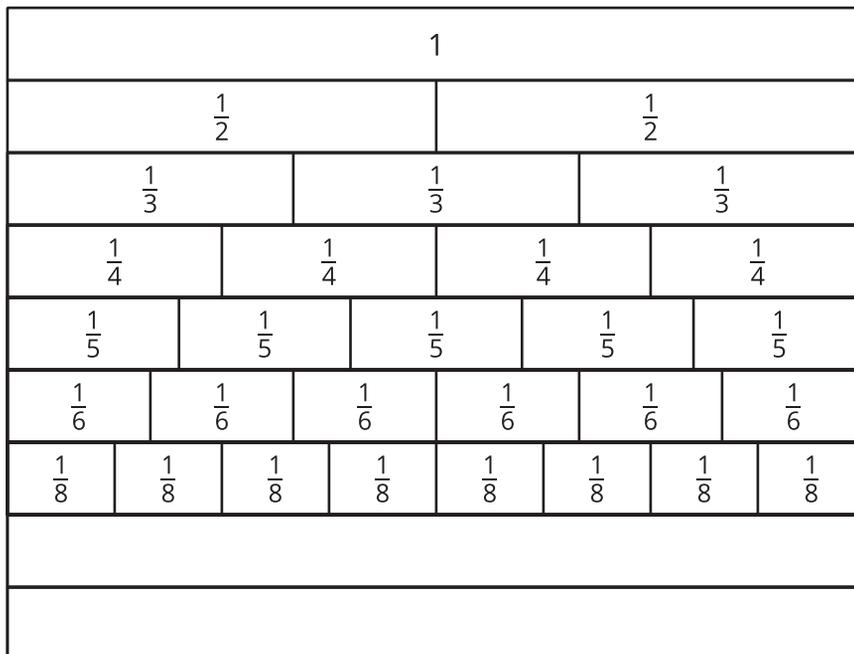
What do you notice? What do you wonder?



1 Same Size, Different Numbers

Student Task Statement

Here's a diagram of fraction strips, with two strips added for tenths and twelfths.



1. Use a blank strip to show tenths. Label the parts. How did you partition the strip?

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- Use a blank strip to show twelfths. Label the parts. How did you partition the strip?
 - Jada says, "I noticed that one part of $\frac{1}{2}$ is the same size as two parts of $\frac{1}{4}$ and three parts of $\frac{1}{6}$. So $\frac{1}{2}$, $\frac{2}{4}$, and $\frac{3}{6}$ must be **equivalent**."

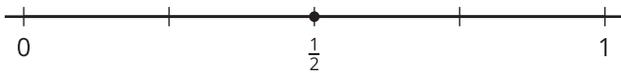
Find a fraction that is equivalent to each of the following fractions. Be prepared to explain your reasoning.

- $\frac{1}{6}$
- $\frac{2}{10}$
- $\frac{3}{3}$

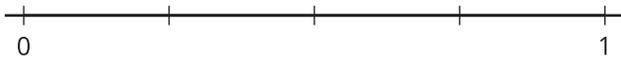
2 Fractions on Number Lines

Student Task Statement

- Here are some number lines. The point on this number line shows the fraction $\frac{1}{2}$.



Label the tick marks on each number line.



- Suppose you are to locate $\frac{1}{6}$, $\frac{1}{8}$, and $\frac{1}{10}$ on one of the number lines.
 - Which number line would you use for each fraction? Be prepared to explain your reasoning.
 - Locate and label each fraction ($\frac{1}{6}$, $\frac{1}{8}$, and $\frac{1}{10}$) on a different number line.
- Locate and label each of the following fractions on one of the number lines.

$$\frac{2}{3}$$

$$\frac{4}{8}$$

$$\frac{2}{8}$$

$$\frac{4}{10}$$

$$\frac{2}{5}$$

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

$$\frac{3}{5}$$

$$\frac{6}{10}$$

$$\frac{4}{6}$$

$$\frac{8}{8}$$