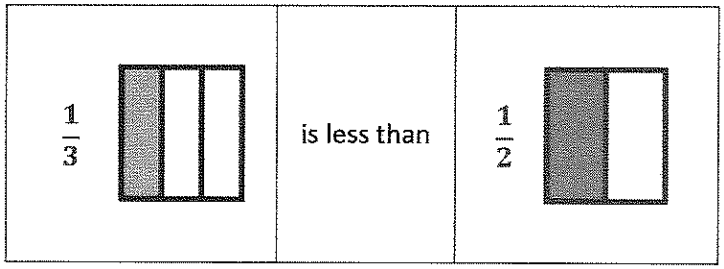
G3-M5-Lesson 11

1. Label the unit fraction. In each blank, draw and label the same whole with a shaded unit fraction that makes the sentence true. There might be more than 1 correct way to make the sentence true.

I need to draw the same rectangle and partition it into equal parts that are greater than $\frac{1}{3}$ because the sentence reads "$\frac{1}{3}$ is less than ____."

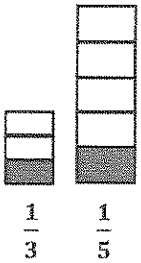
This shape is partitioned into thirds, so $\frac{1}{3}$ is the unit fraction.



Halves are greater than thirds, so I can draw a rectangle and partition it into halves. I can shade 1 part and label the shaded part as $\frac{1}{2}$. Now my sentence says "$\frac{1}{3}$ is less than $\frac{1}{2}$." That's true.

2. Luna drinks $\frac{1}{5}$ of a large water bottle. Gabriel drinks $\frac{1}{3}$ of a small water bottle. Gabriel says, "I drank more than you because $\frac{1}{3} > \frac{1}{5}$."

   a. Use pictures and words to explain Gabriel's mistake.



Gabriel can't compare how much water he and Luna drank. Since the wholes are different, $\frac{1}{5}$ might be bigger than $\frac{1}{3}$ like in the picture I drew.

The important thing I notice is that the water bottles are different sizes. That means the wholes are different, so I can't compare the fractions.

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at Gabriel is correct? Use pictures and words to explain.

aw models for Gabriel and
that are the same size. I can
tition and shade the models to
show $\frac{1}{3}$ and $\frac{1}{5}$. It's easy to compare
the fractions now that the wholes are
the same.

I could change the problem to make the wholes the same size. I could say that they both drank water from the same-sized water bottles. Then $\frac{1}{3}$ is greater than $\frac{1}{5}$. When the whole is the same, fifths are smaller than thirds.

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