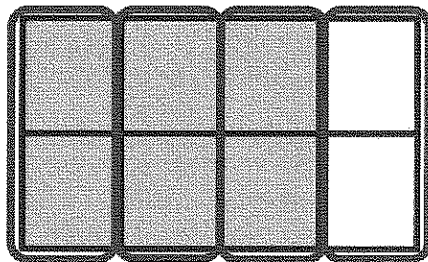## G4-M5-Lesson 10

Each rectangle represents 1.

1. Compose the shaded fraction into larger fractional units. Express the equivalent fractions in a number sentence using division.
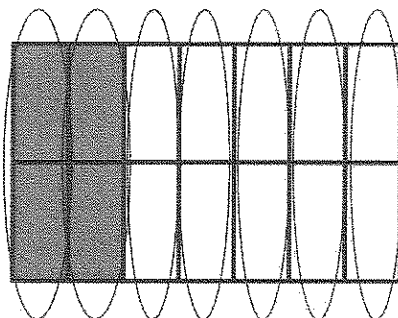

$$\frac{6}{8} = \frac{6 \div 2}{8 \div 2} = \frac{3}{4}$$

This work is a lot like what I did in Lesson 9. However, once I compose units, the renamed fraction is not a unit fraction.

2. Draw an area model to represent the number sentence below.

$$\frac{4}{14} = \frac{4 \div 2}{14 \div 2} = \frac{2}{7}$$

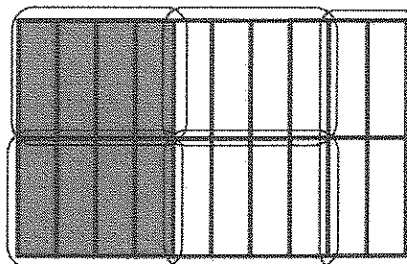Looking at the numerator and denominator, I draw 14 units and shade 4 units.

Looking at the divisor, $\frac{2}{2}$, I circle groups of 2. I make 7 groups. 2 sevenths are shaded.

3. Use division to rename the fraction below. Draw a model if that helps you. See if you can use the largest common factor.

$$\frac{8}{20} = \frac{8 \div 4}{20 \div 4} = \frac{2}{5}$$

I could choose 2, but the largest common factor is 4.

Whether I compose units vertically or horizontally, I get the same answer!

EUREKA MATH   Lesson 10:   Use the area model and division to show the equivalence of two   11
                                    fractions.