

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Test on: \_\_\_\_\_

**Eureka Math-Module 5 Study Guide**

1. Lily put 9 equally spaced nails on the wall to hang a banner. The whole length is from the first nail to the last nail.

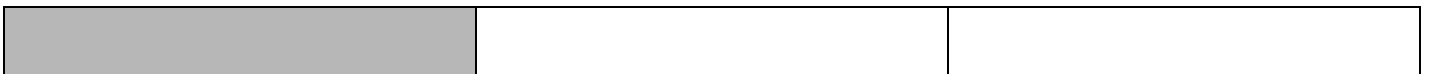
a. On the picture below, label the fraction of the space from the first nail to the last nail.



b. At what fraction is the halfway point?

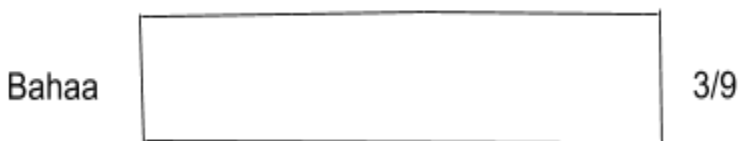
c. Write a fraction that is equivalent to your answer for part (b).

2. Mohammed used the picture below to show Adam how to find a fraction equal to  $\frac{1}{3}$ . Explain what Mohammed might have said and done using words, pictures, and numbers. (partition to show equivalent fraction)



$$\frac{1}{3} = \underline{\hspace{2cm}}$$

3. Azael and Bahaa have the exact same chocolate bar. Azael has eaten  $\frac{3}{7}$  of his chocolate bar. Bahaa ate  $\frac{3}{9}$  of his chocolate bar. Who has eaten more? Explain your answer using words, pictures and numbers.

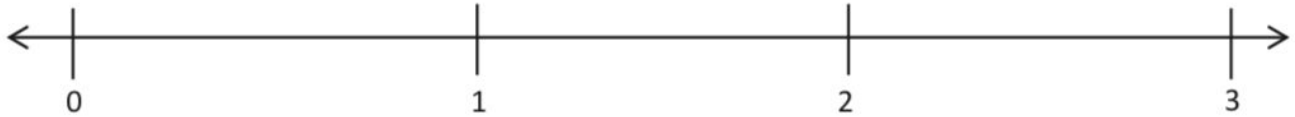


$$\frac{3}{7} \bigcirc \frac{3}{9}$$

4.

Divide each number line into the given fractional unit. Then, place the fractions. Write each whole as a fraction.

a. halves  $\frac{3}{2}$   $\frac{5}{2}$   $\frac{4}{2}$



5. Use the number line above to compare the following fractions using  $>$ ,  $<$ , or  $=$ .

$$\frac{6}{2} \bigcirc \frac{2}{2}$$

$$\frac{1}{2} \bigcirc \frac{2}{2}$$

$$\frac{4}{2} \bigcirc 2$$

$$1 \bigcirc \frac{5}{2}$$

6. Use the number line from problem 4. Which is larger: 2 wholes or  $\frac{3}{2}$ ? Use words, pictures and numbers to explain your answer.

Circle: 2 wholes or  $\frac{3}{2}$

Picture:

Explain: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

7. Estimate to draw and shade units on the fraction strips. Solve

5 fourths =

\_\_\_\_\_ =  $\frac{10}{4}$