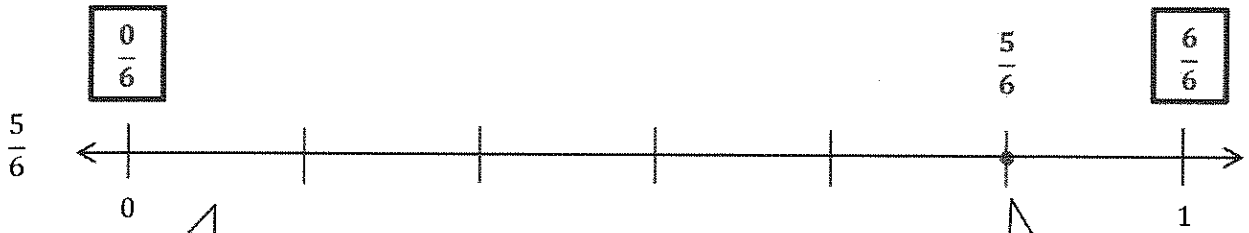
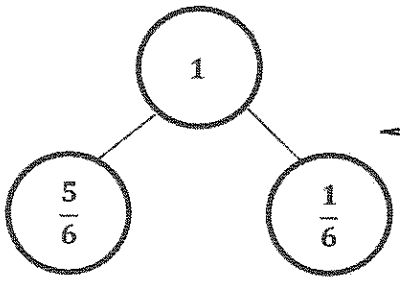
G3-M5-Lesson 15

1. Estimate to label the given fraction on the number line. Be sure to label the fractions at 0 and 1. Write the fractions above the number line. Draw a number bond to match your number line.



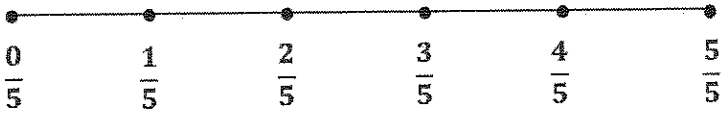
I know there are 6 equal parts in the whole, so I can estimate to partition this number line into 6 equal parts. Then, I can label the fractions at 0 and 1 as 0 sixths and 6 sixths.

I can count up to 5 sixths, starting at 1 sixth. I can touch and count, "1 sixth, 2 sixths, 3 sixths, 4 sixths, 5 sixths" and plot and label the fraction above the number line.



I can draw a 2-part number bond of 1 whole with 1 part labeled 5 sixths and the other part labeled 1 sixth. This number bond shows the fraction I plotted and the other part of the number line.

2. Claire made 6 equally spaced knots on her ribbon as shown.



I know that I need to count the number of equal parts, not the number of knots Claire made. Even though Claire made 6 knots, there are 5 equal parts.

a. Starting at the first knot and ending at the last knot, how many equal parts are formed by the 6 knots? Label each fraction at the knot.

There are 5 equal parts.

Since there are 5 equal parts, I can label the fractions as fifths, starting with 0 fifths at the first knot and 5 fifths at the last knot.

b. What fraction of the rope is labeled at the fourth knot?

$\frac{3}{5}$

I know that the first knot is 0 fifths. When I touch and count by fifths to the fourth knot, I count 3 fifths.