G4-M5-Lesson 14

1. Compare the pairs of fractions by reasoning about the size of the units. Use >, <, or =.

   a. 1 fourth $>$ 1 eighth

   I envision a tape diagram. 1 fourth is double the size of 1 eighth.

   b. 2 thirds $>$ 2 fifths

   When I'm comparing the same number of units, I consider the size of the fractional unit. Thirds are bigger than fifths.

2. Compare by reasoning about the following pair of fractions with related numerators. Use >, <, or =. Explain your thinking using words, pictures, or numbers.

   $\frac{3}{7} > \frac{6}{15}$

   To compare, I can make the numerators the same.

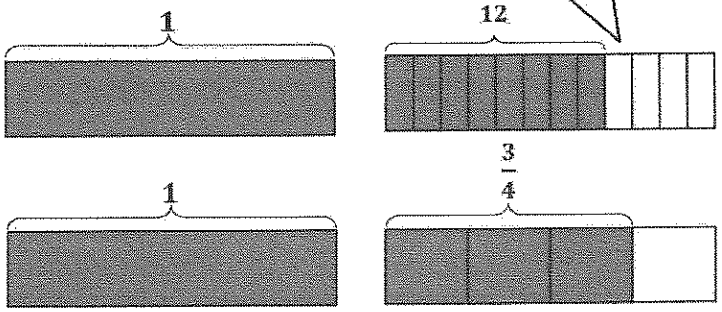
   3 sevenths are equal to 6 fourteenths. Fourteenths are greater than fifteenths. So, 3 sevenths are greater than 6 fifteenths.

3. Draw two tape diagrams to model and compare $1\frac{3}{4}$ and $1\frac{8}{12}$.

   $1\frac{3}{4} > 1\frac{8}{12}$

   The model shows that $\frac{9}{12}$ is equal to $\frac{3}{4}$. So, $\frac{8}{12}$ is less.

   I'm careful to make each tape diagram the same size.



4. Draw one number line to model the pair of fractions with related denominators. Use >, <, or = to compare.

   $\frac{3}{12} < \frac{2}{6}$