G5-M3-Lesson 13

1. Are the following expressions greater than or less than 1? Circle the correct answer.

   a. $\frac{1}{2}+\frac{3}{5}$ (greater than 1) less than 1

   I know that $\frac{1}{2}$ plus $\frac{1}{2}$ is exactly 1. I also know that $\frac{3}{5}$ is greater than $\frac{1}{2}$. Therefore, $\frac{1}{2}$ plus a number greater than $\frac{1}{2}$ must be greater than 1.

   b. $3\frac{1}{4}-2\frac{2}{3}$ greater than 1 (less than 1)

   I know that $3-2=1$, so this expression is the same as $1\frac{1}{4}-\frac{2}{3}$. I also know that $\frac{2}{3}$ is greater than $\frac{1}{4}$. Therefore, if I were to subtract $\frac{2}{3}$ from $1\frac{1}{4}$, the difference would be less than 1.

2. Are the following expressions greater than or less than $\frac{1}{2}$? Circle the correct answer.

   $\frac{1}{3}+\frac{1}{4}$ (greater than $\frac{1}{2}$) less than $\frac{1}{2}$

   I know that $\frac{1}{4}$ plus $\frac{1}{4}$ is exactly $\frac{1}{2}$. I also know that $\frac{1}{3}$ is greater than $\frac{1}{4}$. Therefore, $\frac{1}{4}$ plus a number greater than $\frac{1}{4}$ must be greater than $\frac{1}{2}$.

3. Use $>$, $<$, or $=$ to make the following statement true.

   $6\frac{3}{4} \_\_>\_\_ 2\frac{4}{5}+3\frac{1}{3}$

   I know that 3 plus $3\frac{1}{3}$ is equal to $6\frac{1}{3}$, which is less than $6\frac{3}{4}$.
   Therefore, a number less than 3 plus $3\frac{1}{3}$ is definitely going to be less than $6\frac{3}{4}$.