## GRADE LEVEL: THIRD

### Concept:
Compare Fractions

### Objective:
Students will be able to compare fractions.

### Standards
- **CA**: 3.NF.3d
- **SMP**: 2, 5, 6, 7

### Materials Needed:
- Fraction Bars

### Key Vocabulary:
- Equivalent fractions
- Greater than
- Less than
- Equal

### Lesson:
(denominator of 2, 3, 4, 6, and 8, same numerator or denominator)
1. Pass out fraction bars to 2-4 students.
2. State the objective to the class.
3. (I) Teacher models on the document camera

#### Same Numerator

**Ex1:**

\[
\frac{1}{2} \bigcirc \frac{1}{4}
\]

Using fraction bars, line up one half piece and one fourth piece to compare.

Then, stack the fourth piece on top of the half piece to compare a different way.

**Ex2:**

\[
\frac{1}{6} \bigcirc \frac{1}{3}
\]

Repeat same process as Ex 1 with thirds and sixths pieces.

#### Same Denominator

**Ex3:**

\[
\frac{3}{4} \bigcirc \frac{2}{4}
\]

Line up 3 fourth pieces and 2 fourth pieces to show that three-fourths is larger.
4. (WE) Have students work with each other. Ask them to do one at a time and CFU to see if they understand. Have a student come up to show how they compare.

\[
\begin{array}{cccc}
\frac{4}{6} & \frac{4}{8}, & \frac{3}{4} & \frac{3}{6}, & \frac{3}{3} & \frac{3}{4}, & \frac{3}{8} & \frac{5}{8} \\
\end{array}
\]

5. (YOU) Students repeat Step 4 independently using appropriate pieces.

\[
\begin{array}{cccc}
\frac{2}{2} & \frac{1}{2}, & \frac{2}{4} & \frac{2}{4}, & \frac{2}{3} & \frac{2}{6}, & \frac{3}{4} & \frac{3}{8} \\
\end{array}
\]

**Suggested Independent Work:**
- Step 5 above
- HW: Compare Fractions worksheet on Teacher Share

**Intervention Strategies:**
- Small group
- Teacher circulates
- Students assist peers, since they are working in groups of 4.

**Challenge Suggestions:**
- Students create their own comparison problems and share with the class.

**Closure Activity:**
- Restate objective
- Final model by teacher on ELMO