

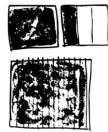
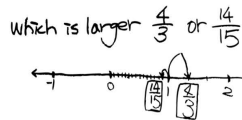
Handout: Session 6, part 4

Analyzing images from teaching

Today's Topic: Comparing fractions through different methods

which is larger: $\frac{4}{3}$ or $\frac{14}{15}$

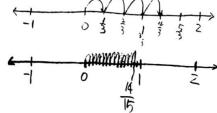
Representations used: number line
area (rectangles)



Representations not used: sets of objects
area (circles)

$$\frac{4}{3} = \frac{20}{15}$$

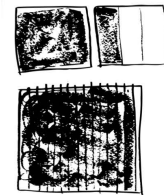
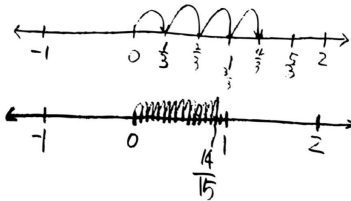
$$\frac{20}{15} > \frac{14}{15}$$



Findings:

- $\frac{4}{3}$ is bigger because it is more than 1 while $\frac{14}{15}$ is a little smaller.
- Both of these fractions are 1 part away from 1
- Even though the denominator is really small that does not mean that the fraction is going to be smallest.
- You can change $\frac{4}{3}$ into a fraction with an equal value that is easier to compare with $\frac{14}{15}$.

Representations used: number line
area (rectangles)



Representations not used: sets of objects
area (circles)