

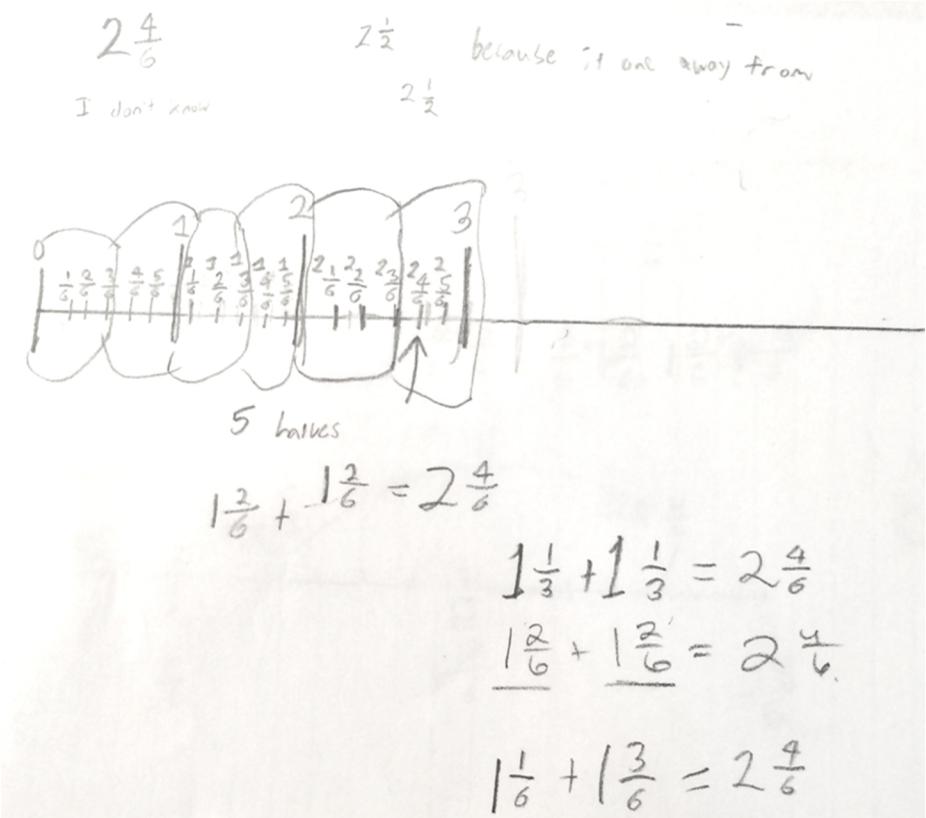
# MAKING MIXED NUMBERS

## OPERATION E

Add and subtract fractions with unlike denominators (e.g., 2 and 7) using models and symbols

### Sample 3

This group did not seem to realize how close  $2\frac{4}{6}$  is to 3 until they represented it on their number line. They successfully decomposed the fraction into halves as well as into unequal amounts. They recorded that  $1\frac{1}{3} + 1\frac{1}{3} = 2\frac{4}{6}$ .



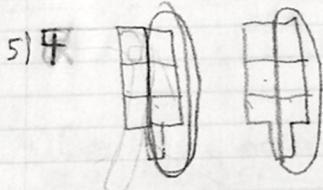
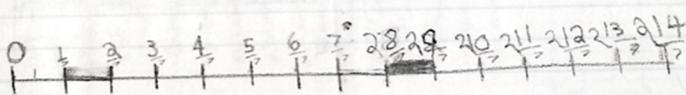
3) It's closer to two because the numerator is smaller than the denominator



$$\textcircled{0} \textcircled{0}$$

$$1+1=2$$

4)



$$6) 1\frac{1}{7} + 1\frac{0}{7} = 2\frac{1}{7}$$

$$1\frac{1}{7} + \frac{7}{7} = 1\frac{8}{7} = 2\frac{1}{7} \checkmark$$

### Sample 4

This group chose  $2\frac{1}{7}$  and correctly determined that it is closer to 2. They seem to have difficulty counting on the number line (labeled  $\frac{8}{7}$  as 2 wholes). They appear to have used an area model to decompose the fraction, which resulted in them recording 2 correct number sentences - one uses  $\frac{0}{7}$  and the other uses  $\frac{7}{7}$ .