

MAKING MIXED NUMBERS

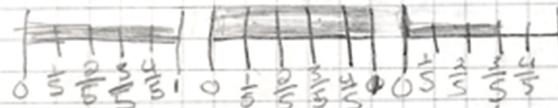
OPERATION E

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

3) Is it closer to 2, 2½, or 3? Explain.

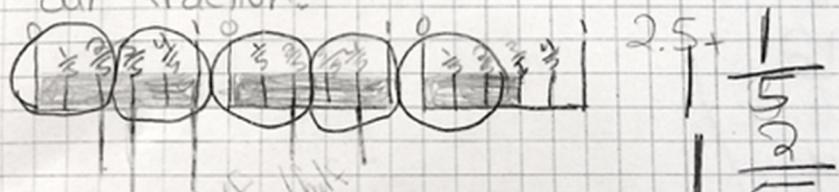
it's close to $2\frac{1}{2}$ because...

A



As you can see it's at
the middle mark so
it's like $2\frac{1}{2}$

4) Create a number line to represent our fraction.



$$2 \frac{4}{5} = 2 + \frac{4}{5}$$

$$\frac{2}{6} - \frac{1}{3} \quad \left(\frac{4}{6} - \frac{2}{3} \right) \quad \frac{6}{6} - \frac{3}{3} = \frac{3}{3} = \frac{2}{2} = \frac{1}{1}$$

$$\frac{8}{6} = 1 \frac{2}{6}$$

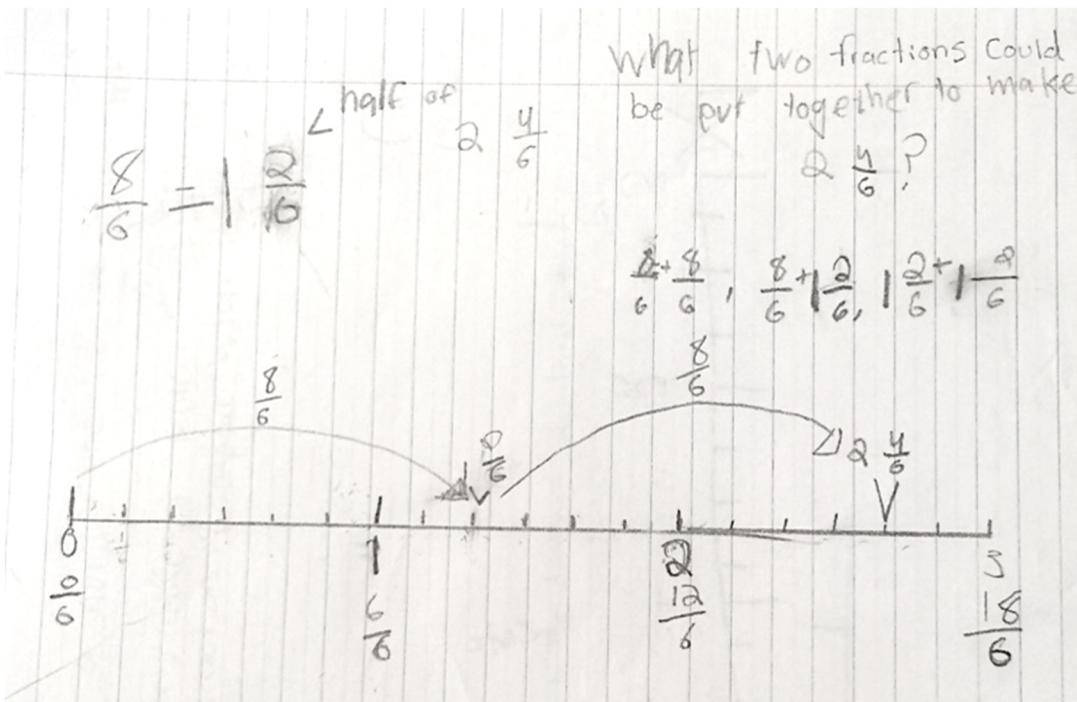
↙ half of 2 $\frac{4}{6}$

What two fractions could
be put together to make
 $2 \frac{4}{6}$?

$$\frac{4+8}{6}, \frac{8+2}{6}, \frac{2+1}{6}$$

$$\frac{8}{6}$$

$$2 \frac{4}{6}$$



Sample 2

Notice that these students realize that $\frac{8}{6}$ is equivalent to $\frac{2}{3}$. Their number line shows how they successfully partitioned $2\frac{4}{6}$ into halves.