

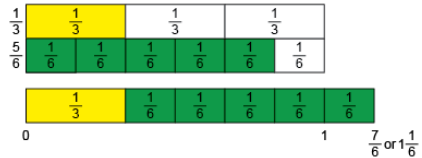
# Activity 27 Assessment

## Adding and Subtracting Fractions

### Addition and Subtraction of Fractions with Unlike Denominators

Concretely solves problems.

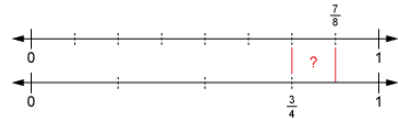
$$\frac{1}{3} + \frac{5}{6} = ?$$



"I used fraction strips. I can see that  $\frac{1}{3} = \frac{2}{6}$  and that  $\frac{1}{3} + \frac{5}{6} = \frac{7}{6}$ , or  $1 \frac{1}{6}$ ."

Models pictorially to solve problems.

$$\frac{7}{8} - \frac{3}{4} = ?$$



"I used a double number line. I modelled  $\frac{7}{8}$  on the top line and  $\frac{3}{4}$  on the bottom line, then found the difference. From the double number lines, I see the difference is  $\frac{1}{8}$ ."

Uses equivalent fractions to symbolically solve problems.

$$\frac{1}{6} + \frac{1}{3} + \frac{1}{2} = ?$$

"I wrote equivalent fractions with denominator 6.

$$\frac{1}{3} = \frac{2}{6} \text{ and } \frac{1}{2} = \frac{3}{6}$$

$$\frac{1}{6} + \frac{1}{3} + \frac{1}{2} = \frac{1}{6} + \frac{2}{6} + \frac{3}{6} = \frac{6}{6},$$

or 1 whole."

Fluently and flexibly solves problems.

$$3\frac{1}{4} - 2\frac{7}{8} = ?$$

"I know that  $3\frac{1}{4} = 3\frac{2}{8}$ , so I counted on, in eighths, from  $2\frac{7}{8}$  to  $3\frac{2}{8}$ .

I counted on  $\frac{3}{8}$ ."

### Observations/Documentation