

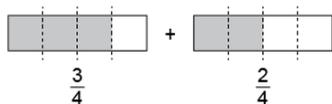
Activity 29 Assessment

Adding and Subtracting Fractions with Like Denominators

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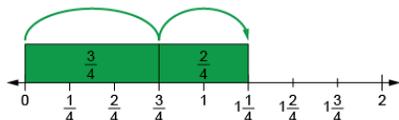
Concretely solves problems.

$$\frac{3}{4} + \frac{2}{4} = ?$$



“Because each whole is divided into fourths, I can add the parts.
3 fourths + 2 fourths = 5 fourths.
5 fourths make 1 whole and $\frac{1}{4}$.”

Models pictorially to solve problems.



$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$$

“I modelled on the number line,
then counted on from $\frac{3}{4}$.
4 fourths, 5 fourths.”

Models symbolically to solve problems.

$$3\frac{1}{8} - \frac{6}{8} = ?$$

$$3\frac{1}{8} = \frac{25}{8}$$

$$\frac{25}{8} - \frac{6}{8} = \frac{19}{8}, \text{ or } 2\frac{3}{8}$$

“I converted $3\frac{1}{8}$ to $\frac{25}{8}$,
then subtracted. I checked my
answer using addition.”

Fluently and flexibly solves addition and subtraction problems.

$$1\frac{3}{10} + \frac{8}{10} + ? = 2\frac{7}{10}$$

$$1\frac{3}{10} + \frac{8}{10} = 1\frac{11}{10} = 2\frac{1}{10}$$

$$2\frac{7}{10} - 2\frac{1}{10} = \frac{6}{10}$$

$$2\frac{1}{10} + \frac{6}{10} = 2\frac{7}{10}$$

“ $\frac{6}{10}$ needs to be added to the other
fractions to equal $2\frac{7}{10}$.”

Observations/Documentation