

Name _____

Date _____

1. Solve.

$$a. \quad 2\frac{1}{3} + 1\frac{2}{3} = 3 + \frac{3}{3} = 4$$

$\begin{array}{c} \diagup \quad \diagdown \\ 2 \quad \frac{1}{3} \end{array} \quad \begin{array}{c} \diagup \quad \diagdown \\ 1 \quad \frac{2}{3} \end{array}$

$$b. \quad 2\frac{2}{5} + 2\frac{2}{5} = 4 + \frac{4}{5} = 4\frac{4}{5}$$

$\begin{array}{c} \diagup \quad \diagdown \\ 2 \quad \frac{2}{5} \end{array} \quad \begin{array}{c} \diagup \quad \diagdown \\ 2 \quad \frac{2}{5} \end{array}$

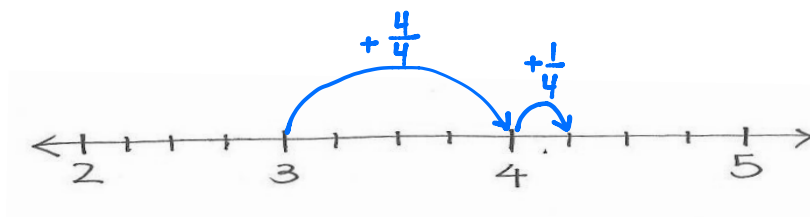
$$c. \quad 3\frac{3}{8} + 1\frac{5}{8} = 4 + \frac{8}{8} = 4 + 1 = 5$$

$\begin{array}{c} \diagup \quad \diagdown \\ 3 \quad \frac{3}{8} \end{array} \quad \begin{array}{c} \diagup \quad \diagdown \\ 1 \quad \frac{5}{8} \end{array}$

2. Solve. Use a number line to show your work.

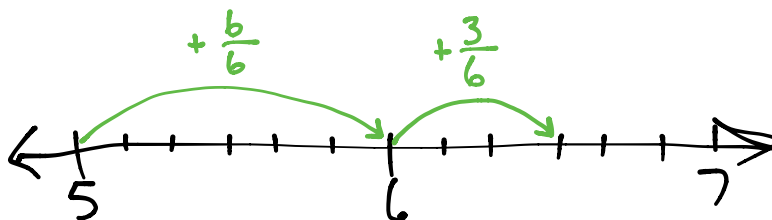
$$a. \quad 2\frac{2}{4} + 1\frac{3}{4} = 3 + \frac{5}{4} = 4\frac{1}{4}$$

$\begin{array}{c} \diagup \quad \diagdown \\ 2 \quad \frac{2}{4} \end{array} \quad \begin{array}{c} \diagup \quad \diagdown \\ 1 \quad \frac{3}{4} \end{array}$



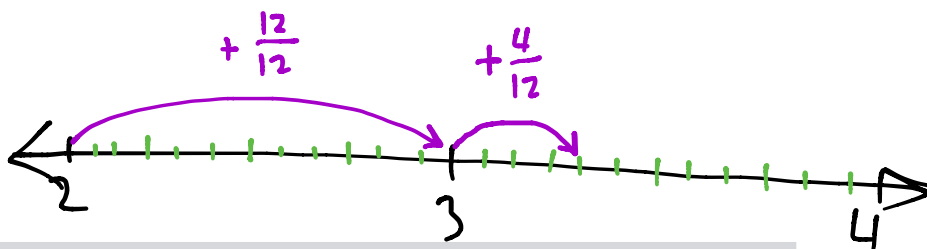
$$b. \quad 3\frac{4}{6} + 2\frac{5}{6} = 5 + \frac{9}{6} = 6\frac{3}{6}$$

$\begin{array}{c} \diagup \quad \diagdown \\ 3 \quad \frac{4}{6} \end{array} \quad \begin{array}{c} \diagup \quad \diagdown \\ 2 \quad \frac{5}{6} \end{array}$



$$c. \quad 1\frac{9}{12} + 1\frac{7}{12} = 2 + \frac{16}{12} = 3\frac{4}{12}$$

$\begin{array}{c} \diagup \quad \diagdown \\ 1 \quad \frac{9}{12} \end{array} \quad \begin{array}{c} \diagup \quad \diagdown \\ 1 \quad \frac{7}{12} \end{array}$



3. Solve. Use the arrow way to show how to make one.

$$\text{a. } 2\frac{3}{4} + 1\frac{3}{4} = 3\frac{3}{4} + \frac{3}{4} = 4\frac{2}{4}$$

$\begin{array}{c} \swarrow \quad \searrow \\ \frac{1}{4} \quad \frac{2}{4} \end{array}$

$$3\frac{3}{4} \xrightarrow{+\frac{1}{4}} 4 \xrightarrow{+\frac{2}{4}} 4\frac{2}{4}$$

$$\text{b. } 2\frac{7}{8} + 3\frac{4}{8} = 5\frac{7}{8} + \frac{4}{8} = 6\frac{3}{8}$$

$\begin{array}{c} \wedge \\ \frac{1}{8} \quad \frac{3}{8} \end{array}$

$$5\frac{7}{8} \xrightarrow{+\frac{1}{8}} 6 \xrightarrow{+\frac{3}{8}} 6\frac{3}{8}$$

$$\text{c. } 1\frac{7}{9} + 4\frac{5}{9} = 5\frac{7}{9} + \frac{5}{9} = 6\frac{3}{9}$$

$\begin{array}{c} \wedge \\ \frac{2}{9} \quad \frac{3}{9} \end{array}$

$$5\frac{7}{9} \xrightarrow{+\frac{2}{9}} 6 \xrightarrow{+\frac{3}{9}} 6\frac{3}{9}$$

4. Solve. Use whichever method you prefer.

$$\text{a. } 1\frac{4}{5} + 1\frac{3}{5} = 2 + \frac{7}{5} = 3\frac{2}{5}$$

$\begin{array}{c} \wedge \\ \frac{5}{5} \quad \frac{2}{5} \end{array}$

$$\text{b. } 3\frac{8}{10} + 1\frac{5}{10} = 4 + \frac{13}{10} = 5 + \frac{3}{10} = 5\frac{3}{10}$$

$\begin{array}{c} \wedge \\ \frac{10}{10} \quad \frac{3}{10} \end{array}$

$$\text{c. } 2\frac{5}{7} + 3\frac{6}{7} = 5 + \frac{11}{7} = 6 + \frac{4}{7} = 6\frac{4}{7}$$

$\begin{array}{c} \wedge \\ \frac{7}{7} \quad \frac{4}{7} \end{array}$