Adding Mixed Numbers

Adding mixed numbers

You can simply **add the whole numbers and fractional parts separately:**

$1\frac{1}{7} + 5\frac{3}{7} = 6\frac{4}{7}$

or in columns →

$$\begin{array}{r} 1\frac{1}{7} \\ +\ 5\frac{3}{7} \\ \hline 6\frac{4}{7} \end{array}$$

However, many times the sum of the fractional parts **goes over one whole pie.**

$1\frac{3}{6} + 1\frac{4}{6} = 2\frac{7}{6} \rightarrow 3\frac{1}{6}$

So first, simply add the fractional parts as usual. Then, change the fraction that is more than one pie into one or more whole pies and a fractional part that is less than one pie.

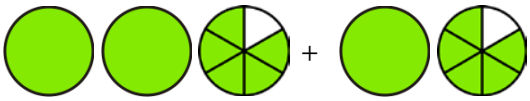
1. These mixed numbers have a fractional part that is more than one "pie." Change them so that the fractional part is less than one. The first one is done for you.

a. $3\frac{3}{2} \rightarrow 4\frac{1}{2}$ **b.** $1\frac{11}{9}$ **c.** $6\frac{7}{4}$ **d.** $3\frac{13}{8}$

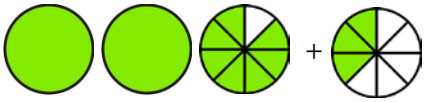
2. Write the addition sentences that the pictures illustrate and then add.

a.

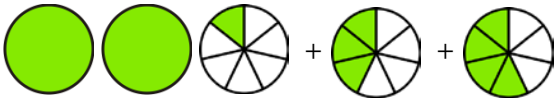
b.



c.



d.



e.