

Adding Mixed Numbers

Adding mixed numbers

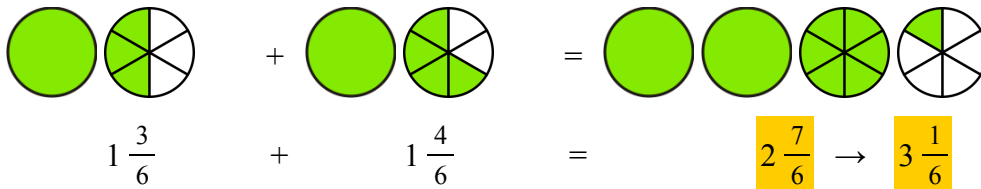
You can simply **add the whole numbers**
and fractional parts separately:

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

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.**



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. $1\frac{11}{9}$

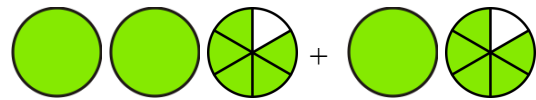
c. $6\frac{7}{4}$

d. $3\frac{13}{8}$

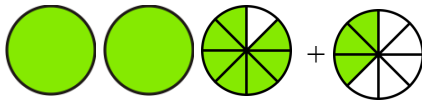
2. Write the addition sentences that the pictures illustrate and then add.



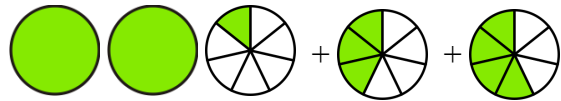
a.



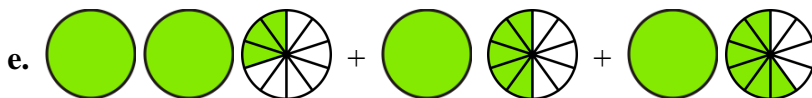
b.



c.



d.



e.