

Adding Mixed Numbers

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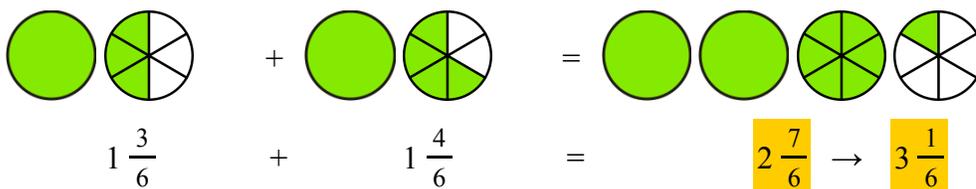
You can simply **add the whole numbers**
and fractional parts separately:

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

or in columns \rightarrow

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

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.

