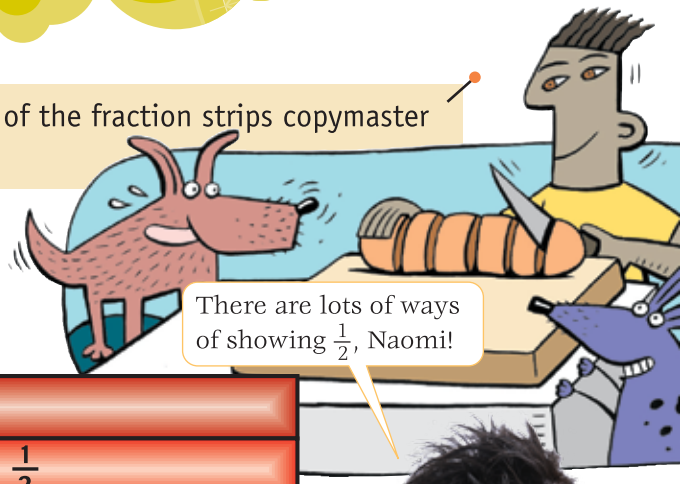
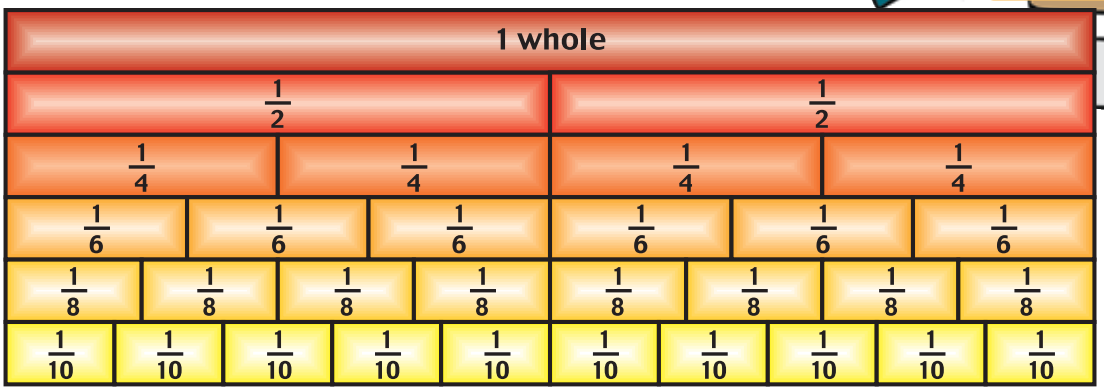
# Stripping Fractions

**You need** ☑ plastic fraction strips or a photocopy of the fraction strips copymaster
☑ scissors (optional)




## Activity

Tipene and Naomi have been using fraction strips to explore equivalent fractions.




Their teacher challenges them to model $\frac{3}{5} + \frac{4}{5}$ with fraction strips.

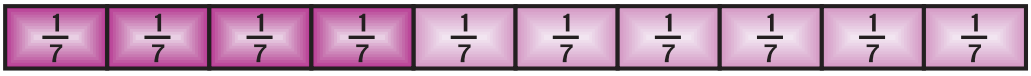

1. a. How much more than 1 is $\frac{7}{5}$?

   b. How else could you write $\frac{7}{5}$?


2. Here are some other models of fraction additions. Complete the equations and give the answers in their simplest form, for example, $\frac{3}{4} + \frac{3}{4} = \frac{6}{4}$
   $= 1\frac{1}{2}$.

   a. $\frac{2}{3} + \frac{2}{3} = \square$


   b. $\frac{4}{7} + \frac{6}{7} = \square$



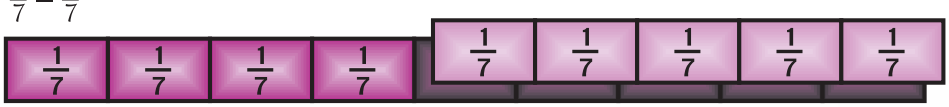

   c. $\frac{5}{4} + \frac{3}{4} = \square$


   d. $\frac{7}{8} + \frac{5}{8} + \frac{3}{8} = \square$

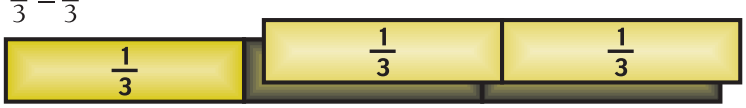
3. How do you work out the answer to any addition problem where the fractions have the same denominator (bottom number)?

4. Would the same idea work for subtraction problems where both fractions have the same denominator? Check your ideas by working out the answers to these examples:

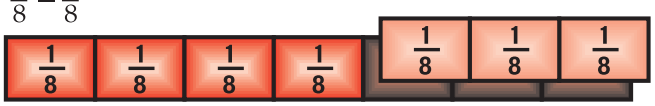
a. $\frac{9}{7} - \frac{5}{7}$




b. $\frac{3}{3} - \frac{2}{3}$



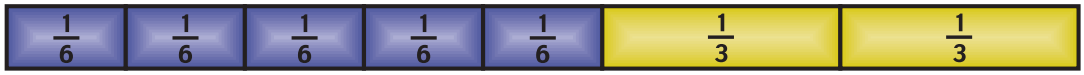

c. $\frac{7}{8} - \frac{3}{8}$




5. Below are some addition and subtraction problems involving fractions for you to work out. The fractions in these problems do not have the same denominators. If you need to, use fraction strips to work out the answers.

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


b. $\frac{5}{6} + \frac{2}{3} = \square$




c. $\frac{3}{4} + \frac{3}{8} = \square$


d. $\frac{7}{10} + \frac{3}{5} = \square$


e. $\frac{7}{4} - \frac{1}{2} = \square$

f. $\frac{4}{3} - \frac{4}{6} = \square$

g. $\frac{14}{10} - \frac{2}{5} = \square$

h. $\frac{11}{8} - \frac{3}{4} = \square$

6. How do you work out the answer to any addition or subtraction problem where the fractions *do not* have the same denominator?