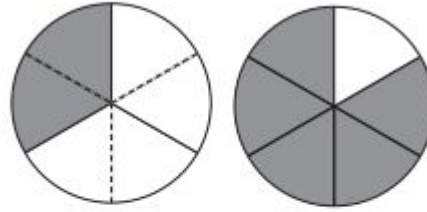


1 a) Work out  $\frac{5}{6} + \frac{1}{3}$ .

$$\frac{1}{3} = \frac{\boxed{\phantom{000}}}{6}$$

$$\frac{5}{6} + \frac{1}{3} = \frac{5}{6} + \frac{\boxed{\phantom{000}}}{6}$$

$$= \frac{\boxed{\phantom{000}}}{6} = \boxed{\phantom{000}} \frac{\boxed{\phantom{000}}}{6}$$



b) Work out  $\frac{1}{2} + \frac{9}{10}$ .

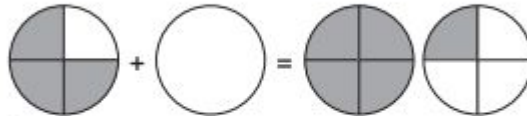
$$\frac{1}{2} = \frac{\boxed{\phantom{000}}}{10}$$

$$\frac{1}{2} + \frac{9}{10} = \frac{\boxed{\phantom{000}}}{10} + \frac{9}{10}$$

$$= \frac{\boxed{\phantom{000}}}{10} = \boxed{\phantom{000}} \frac{\boxed{\phantom{000}}}{5}$$



2 Danny adds two fractions.  
What is the missing fraction?

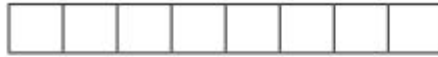


$$\frac{3}{4} + \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} = 1 \frac{1}{4}$$

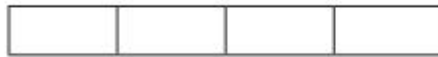


3 Use the diagrams to help you work out the calculations.

a)  $\frac{3}{8} + \frac{3}{4}$



$$\frac{3}{4} = \frac{\boxed{\phantom{000}}}{8}$$



$$\frac{3}{8} + \frac{3}{4} = \frac{3}{8} + \frac{\boxed{\phantom{000}}}{8} = \frac{\boxed{\phantom{000}}}{8} = \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}$$

b)  $\frac{5}{12} + \frac{2}{3}$





4 What is the total amount of juice in the two bottles, in litres?





5 Work out these fraction additions.

a)  $\frac{7}{10} + \frac{11}{20}$

b)  $\frac{11}{15} + \frac{4}{5}$

6 Work out the missing fractions.



a)  $\frac{1}{2} + \frac{\square}{\square} = \frac{17}{12}$

d)  $\frac{1}{2} + \frac{\square}{\square} = 1\frac{1}{12}$

b)  $\frac{2}{3} + \frac{\square}{\square} = \frac{17}{12}$

e)  $\frac{2}{3} + \frac{\square}{\square} = 1\frac{1}{12}$

c)  $\frac{5}{6} + \frac{\square}{\square} = \frac{17}{12}$

f)  $\frac{\square}{\square} + \frac{5}{6} = 1\frac{1}{12}$

Challenge:

How many different ways can you balance the equation?

$$\frac{5}{9} + \frac{\square}{9} = \frac{8}{9} + \frac{\square}{9}$$

Super challenge:

A chocolate bar has 12 equal pieces.

Amir eats  $\frac{5}{12}$  more of the bar than Whitney.

There is one twelfth of the bar remaining.

What fraction of the bar does Amir eat?

What fraction of the bar does Whitney eat?