

- 1 Eva is working out  $\frac{1}{3} + \frac{2}{9}$

She uses two fraction strips.



Use the fraction strips to help you complete the calculations.

$$\frac{1}{3} = \frac{\square}{9} \quad \frac{1}{3} + \frac{2}{9} = \frac{\square}{9} + \frac{2}{9} = \frac{\square}{9}$$

- 2 Work out the addition using fraction strips.

$$\frac{3}{10} + \frac{2}{5}$$

- 3 Use a bar model to work out the subtraction.

$$\frac{7}{8} - \frac{1}{4}$$

- 4 Use a diagram to work out the calculation.

$$\frac{9}{16} - \frac{1}{4}$$

- 5 Mo spends  $\frac{3}{5}$  of his pocket money on a present for his sister.

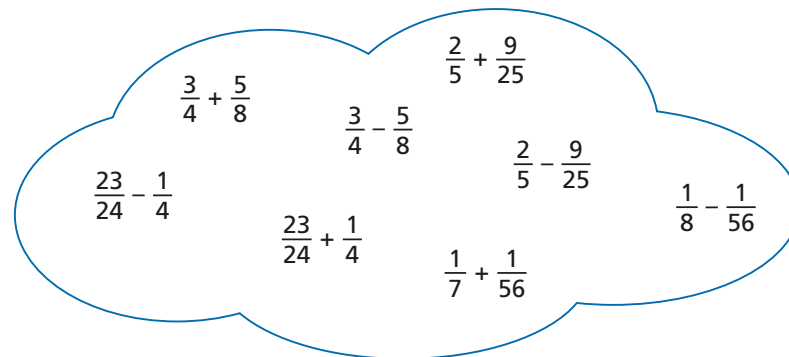
He gives  $\frac{2}{15}$  of his pocket money to charity.

What fraction of his pocket money does he have left?

You may use a fraction strip to help you.



- 6 Sort the calculations into the correct part of the table.



Calculations with answers less than 1	Calculations with answers greater than 1

- 7 Complete the calculations.

Give your answers in their simplest form.

a)  $\frac{9}{20} + \frac{3}{5} = \square$     b)  $\frac{9}{100} + \frac{7}{20} = \square$     c)  $\frac{2}{5} + \square = \frac{17}{30}$     d)  $\frac{17}{50} - \square = \frac{19}{100}$



- 5** Mo spends  $\frac{3}{5}$  of his pocket money on a present for his sister.  
 He gives  $\frac{2}{15}$  of his pocket money to charity.  
 What fraction of his pocket money does he have left?  
 You may use a fraction strip to help you.



- 6** Sort the calculations into the correct part of the table.

$$\frac{3}{4} + \frac{5}{8}$$

$$\frac{23}{24} - \frac{1}{4}$$

$$\frac{23}{24} + \frac{1}{4}$$

$$\frac{1}{7} + \frac{1}{56}$$

$$\frac{3}{4} - \frac{5}{8}$$

$$\frac{2}{5} - \frac{9}{25}$$

$$\frac{1}{8} - \frac{1}{56}$$

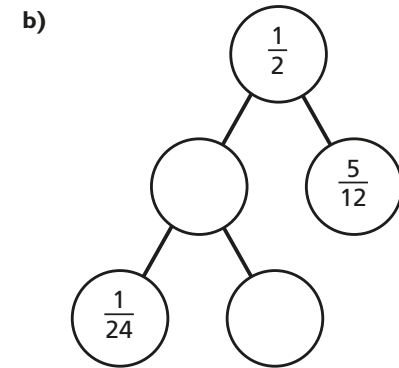
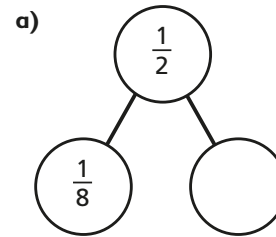
$$\frac{2}{5} + \frac{9}{25}$$

Calculations with answers less than 1	Calculations with answers greater than 1

- 7** Complete the calculations.  
 Give your answers in their simplest form.

a)  $\frac{9}{20} + \frac{3}{5} = \square$     b)  $\frac{9}{100} + \frac{7}{20} = \square$     c)  $\frac{2}{5} + \square = \frac{17}{30}$     d)  $\frac{17}{50} - \square = \frac{19}{100}$

- 8** Complete the part-whole models.



- 9**



A jug is filled with  $\frac{9}{10}$  of a litre of juice.

$\frac{3}{50}$  of a litre of juice is poured into a glass.

$\frac{7}{100}$  of a litre of juice is poured into another glass.

How much juice is left in the jug?

Talk about your method with a partner.

