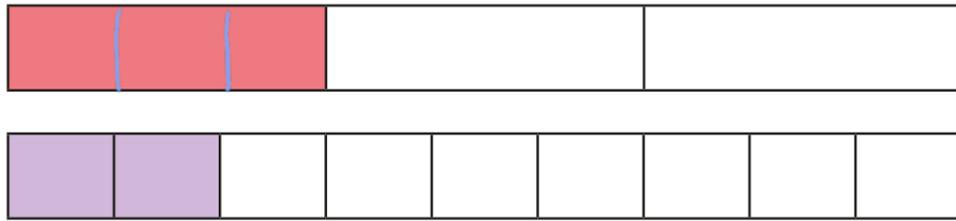


Add and subtract fractions (1)

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

She uses two fraction strips.

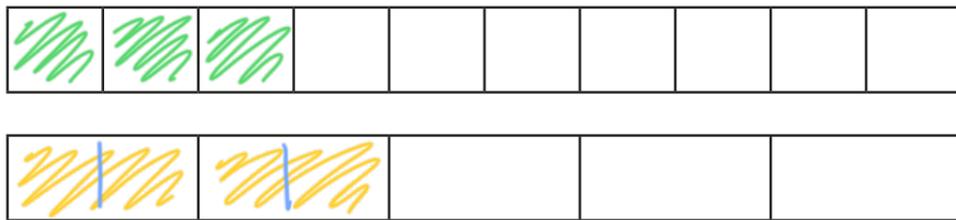


Use the fraction strips to help you complete the calculations.

$$\frac{1}{3} = \frac{\boxed{3}}{9} \quad \frac{1}{3} + \frac{2}{9} = \frac{\boxed{3}}{9} + \frac{2}{9} = \frac{\boxed{5}}{9}$$

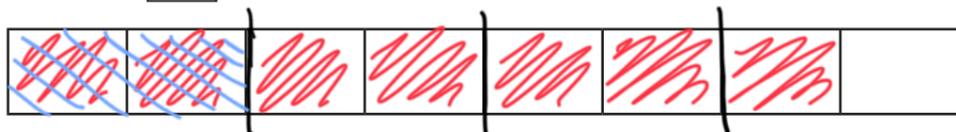
- 2 Complete the addition.

$$\frac{3}{10} + \frac{2}{5} = \frac{\boxed{7}}{\boxed{10}}$$



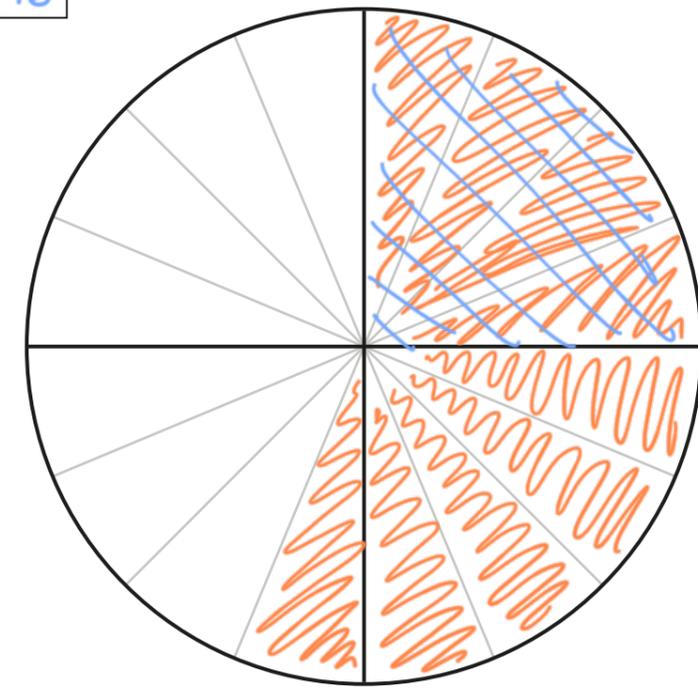
- 3 Use the bar model to complete the subtraction.

$$\frac{7}{8} - \frac{1}{4} = \frac{\boxed{5}}{\boxed{8}}$$



- 4 Use the diagram to complete the calculation.

$$\frac{9}{16} - \frac{1}{4} = \frac{\boxed{5}}{\boxed{16}}$$

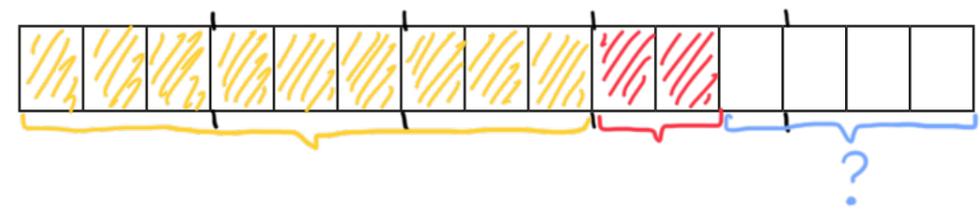


- 5 Mo spends $\frac{3}{5}$ of his pocket money on a present for his sister.

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

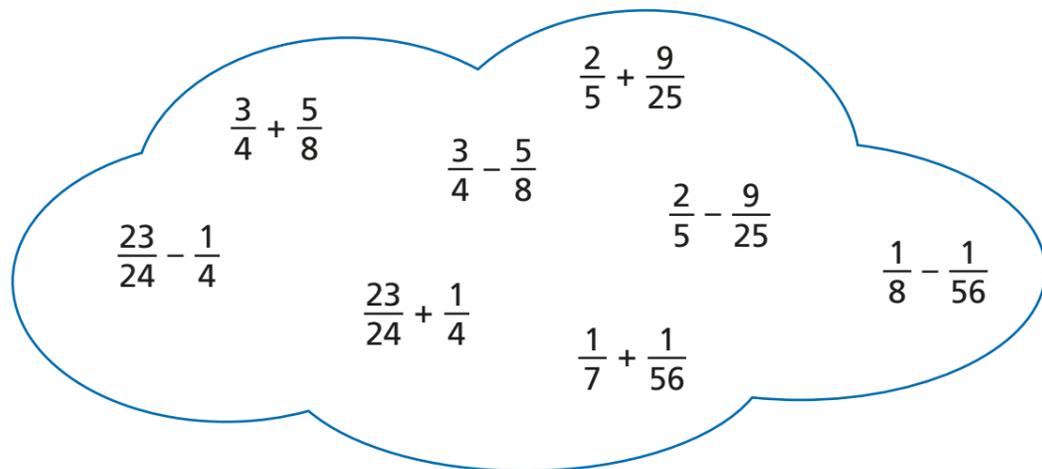
What fraction of his pocket money does he have left?

You may use the fraction strip to help you.



$$\frac{\boxed{4}}{\boxed{15}}$$

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



Calculations with answers less than 1	Calculations with answers greater than 1
$\frac{23}{24} - \frac{1}{4}$ $\frac{3}{4} - \frac{5}{8}$ $\frac{2}{5} + \frac{9}{25}$ $\frac{2}{5} - \frac{9}{25}$ $\frac{1}{7} + \frac{1}{56}$ $\frac{1}{8} - \frac{1}{56}$	$\frac{3}{4} + \frac{5}{8}$ $\frac{23}{24} + \frac{1}{4}$

7 Complete the calculations.

Give your answers in their simplest form.

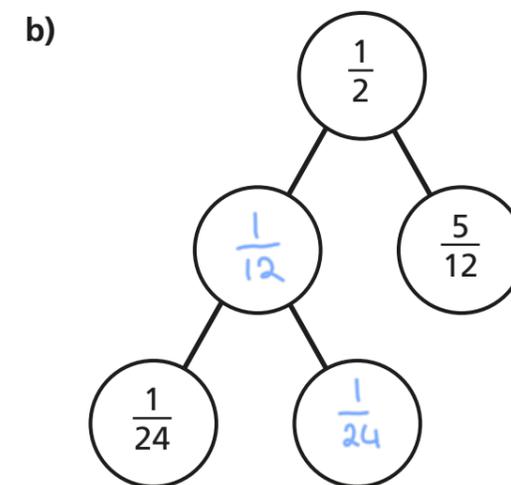
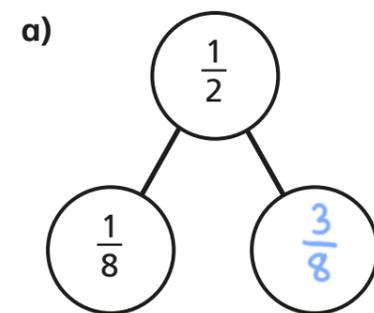
a) $\frac{9}{20} + \frac{3}{5} = \boxed{\frac{11}{20}}$

c) $\frac{2}{5} + \frac{1}{6} = \frac{17}{30}$

b) $\frac{9}{100} + \frac{7}{20} = \boxed{\frac{11}{25}}$

d) $\frac{17}{50} - \frac{3}{20} = \frac{19}{100}$

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?

$$\frac{9}{10} = \frac{90}{100} \quad \frac{3}{50} = \frac{6}{100} \quad \frac{6}{100} + \frac{7}{100} = \frac{13}{100} \quad \frac{90}{100} - \frac{13}{100} = \frac{77}{100}$$

There is $\boxed{\frac{77}{100}}$ of a litre of juice left in the jug.

Talk about your method with a partner.