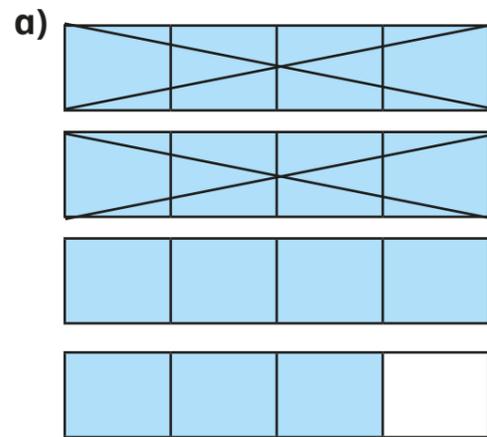
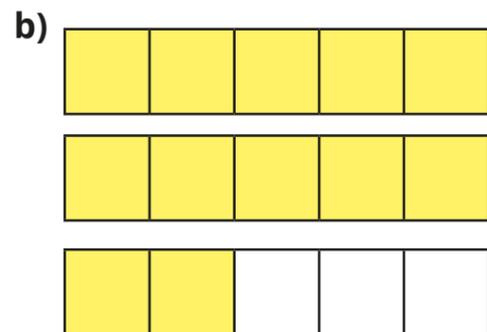


# Subtract from mixed numbers

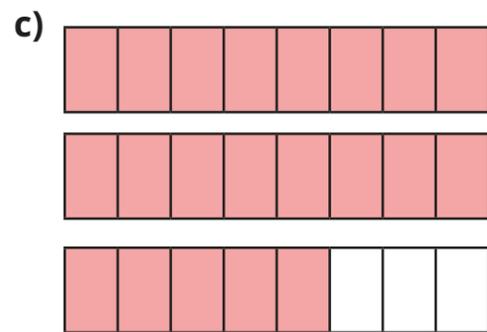
1 Use the bar models to work out the subtractions.  
The first one has been started for you.



$$3\frac{3}{4} - 2 = \square$$



$$2\frac{2}{5} - 1 = \square$$



$$2\frac{5}{8} - 2 = \square$$

What do you notice?



2 Work out the subtractions.

a)  $4\frac{5}{6} - 2 = \square$

e)  $9\frac{4}{9} - 5 = \square$

b)  $4\frac{5}{6} - 3 = \square$

f)  $5\frac{5}{12} - 5 = \square$

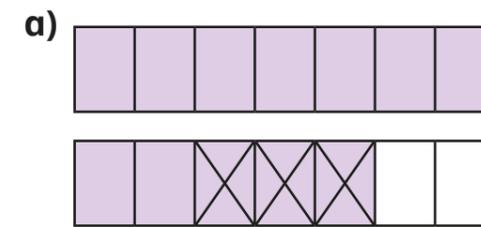
c)  $4\frac{2}{3} - 3 = \square$

g)  $6\frac{5}{12} - 5 = \square$

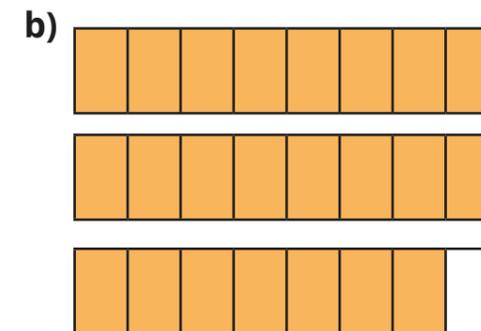
d)  $7\frac{7}{8} - 4 = \square$

h)  $24\frac{2}{5} - 11 = \square$

3 Use the bar models to work out the subtractions.  
The first one has been started for you.



$$1\frac{5}{7} - \frac{3}{7} = \square$$



$$2\frac{7}{8} - \frac{4}{8} = \square$$

What do you notice?



4 Work out the subtractions.

a)  $4\frac{5}{6} - \frac{2}{6} = \square$

e)  $11\frac{5}{9} - \frac{3}{9} = \square$

b)  $4\frac{5}{6} - \frac{3}{6} = \square$

f)  $5\frac{11}{12} - \frac{5}{12} = \square$

c)  $6\frac{5}{6} - \frac{3}{6} = \square$

g)  $6\frac{8}{9} - \frac{8}{9} = \square$

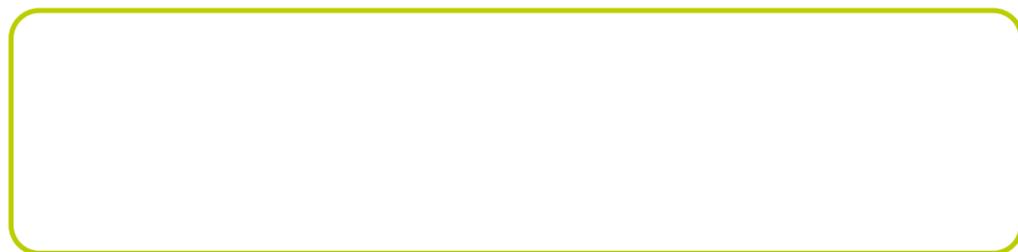
d)  $9\frac{4}{5} - \frac{3}{5} = \square$

h)  $132\frac{3}{4} - \frac{2}{4} = \square$

5 a) Write the subtraction shown by the bar model.



b) Draw a bar model to represent  $2\frac{3}{8} - \frac{6}{8}$

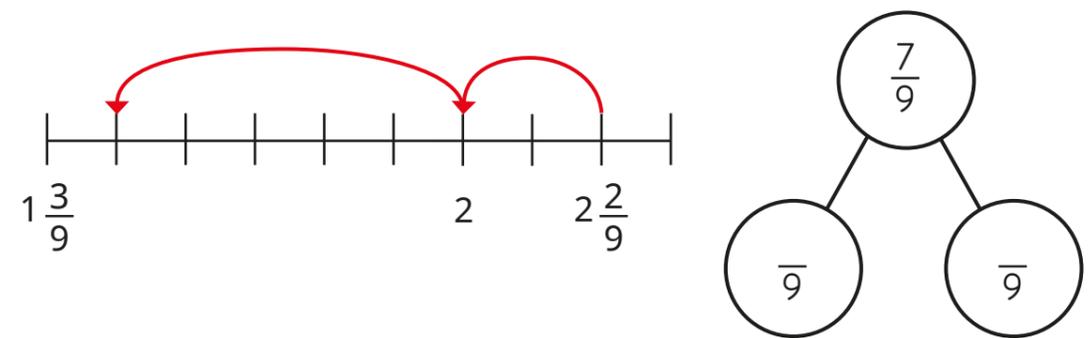


6 A plank of wood is  $4\frac{2}{5}$  m long.  
Ron cuts off  $\frac{4}{5}$  m.

How long is the plank of wood that is left?

$\square$  m

7 Nijah is working out  $2\frac{2}{9} - \frac{7}{9}$  on a number line.



a) Complete the part-whole model to show how Nijah has partitioned  $\frac{7}{9}$

b) Complete the workings.

$$2\frac{2}{9} - \frac{7}{9} = 2\frac{2}{9} - \frac{\square}{9} - \frac{\square}{9} = 2 - \frac{\square}{9} = \square$$

c) Use Nijah's method to complete the subtractions.

$$1\frac{2}{5} - \frac{4}{5} = \square$$

$$5\frac{3}{7} - \frac{5}{7} = \square$$

$$2\frac{3}{5} - \frac{4}{5} = \square$$

$$9\frac{3}{10} - \frac{7}{10} = \square$$

8 Work out the missing numbers.

$$3\frac{8}{16} - \frac{\square}{\square} = 2\frac{15}{16}$$

Compare methods with a partner.

