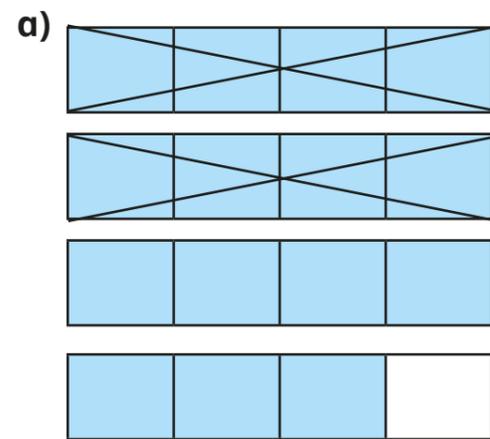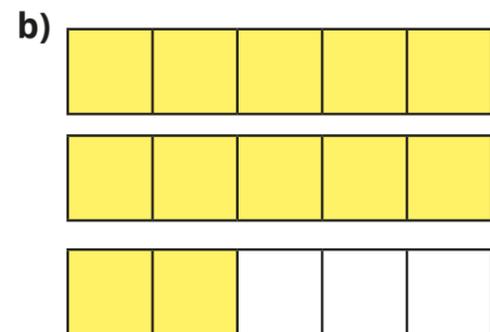# Subtract from mixed numbers

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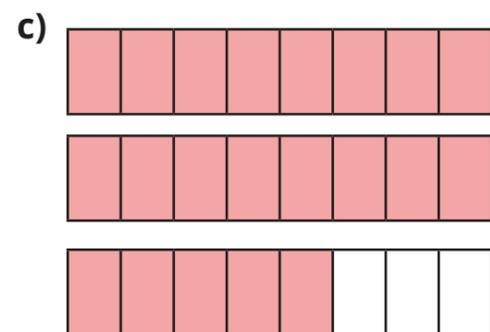
The first one has been started for you.

a)

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

b)

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

c)

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

What do you notice?

2 Work out the subtractions.

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

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

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

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

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

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

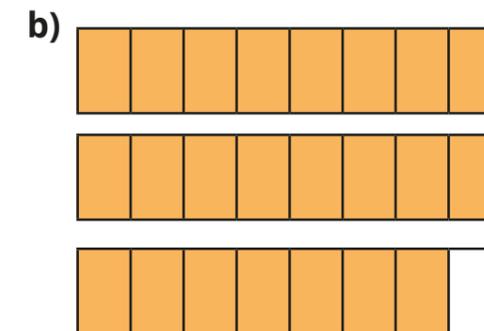**g)** $6\frac{5}{12} - 5 = \boxed{}$

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

3 Use the bar models to work out the subtractions.

The first one has been started for you.

a)

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

b)
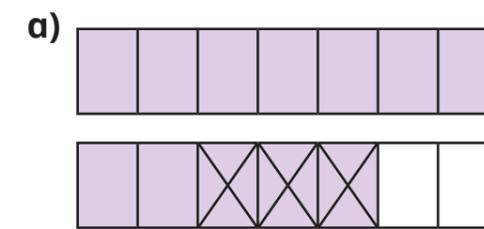
$2\frac{7}{8} - \frac{4}{8} = \boxed{}$

What do you notice?

4 Work out the subtractions.

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

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

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

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

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

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

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

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

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

_____
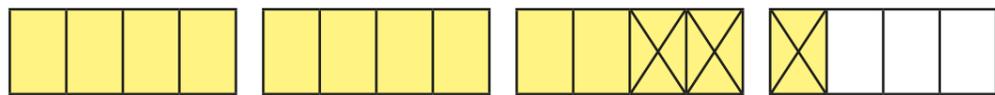
b) Draw a bar model to represent $2\frac{3}{8} - \frac{6}{8}$
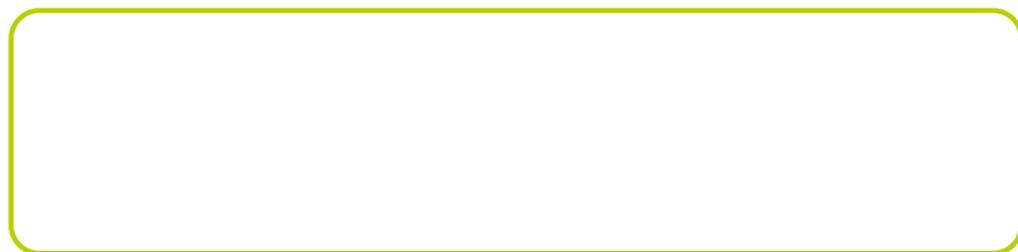
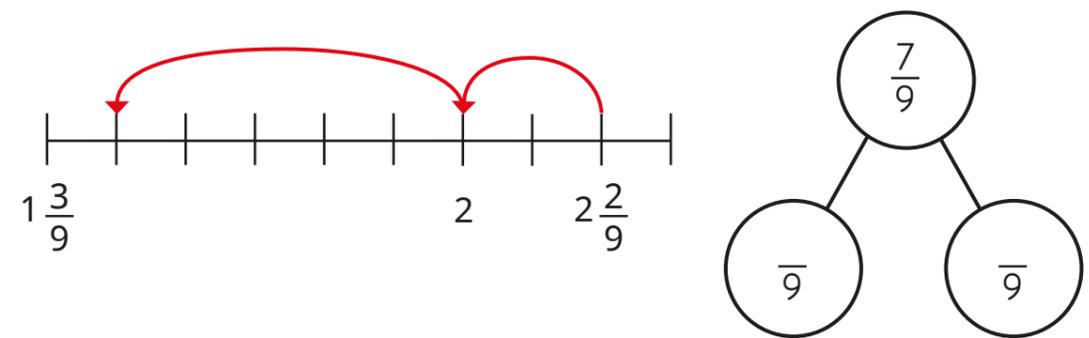**6** A plank of wood is $4\frac{2}{5}$ m long.

Ron cuts off $\frac{4}{5}$ m.

How long is the plank of wood that is left?

$\boxed{}$ 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.

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

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

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

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

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

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

8 Work out the missing numbers.

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

Compare methods with a partner.

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