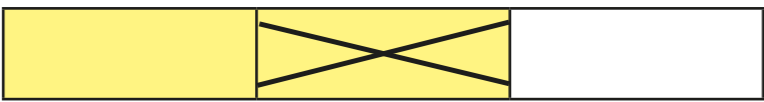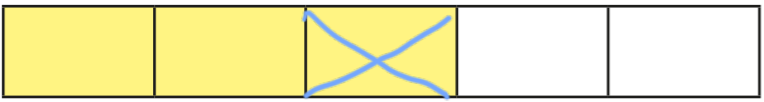# Subtract fractions

1 Complete the subtractions.

Use the bar models to help you.

a)

$\frac{2}{3} - \frac{1}{3} = \boxed{\frac{1}{3}}$

b)

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

c)

$\frac{3}{5} - \frac{1}{5} = \boxed{\frac{2}{5}}$

d)

$\frac{4}{5} - \frac{1}{5} = \boxed{\frac{3}{5}}$

2 Jack has $\frac{7}{8}$ of a chocolate bar.

He eats $\frac{4}{8}$ of the chocolate bar.

What fraction of the chocolate bar does he have left?

Jack has $\boxed{\frac{3}{8}}$ of the chocolate bar left.

3 Complete the subtractions.

Simplify your answers where possible.

a) $\frac{7}{10} - \frac{1}{10} = \boxed{\frac{6}{10}} = \boxed{\frac{3}{5}}$

b) $\frac{7}{10} - \frac{2}{10} = \boxed{\frac{5}{10}} = \boxed{\frac{1}{2}}$

c) $\frac{7}{10} - \frac{3}{10} = \boxed{\frac{4}{10}} = \boxed{\frac{2}{5}}$

d) $\frac{7}{12} - \frac{3}{12} = \boxed{\frac{4}{12}} = \boxed{\frac{1}{3}}$

e) $\frac{8}{12} - \frac{4}{12} = \boxed{\frac{4}{12}} = \boxed{\frac{1}{3}}$

f) $\frac{9}{12} - \frac{5}{12} = \boxed{\frac{4}{12}} = \boxed{\frac{1}{3}}$

g) $\frac{9}{59} - \frac{5}{59} = \boxed{\frac{4}{59}}$

h) $\frac{13}{127} - \frac{9}{127} = \boxed{\frac{4}{127}}$

4 Complete the part-whole models.

a)

$\frac{4}{5}$

$\frac{3}{5}$ $\frac{1}{5}$

b)

$\frac{4}{9}$

$\frac{1}{9}$ $\frac{3}{9}$

c)

$\frac{7}{9}$

$\frac{4}{9}$ $\frac{3}{9}$

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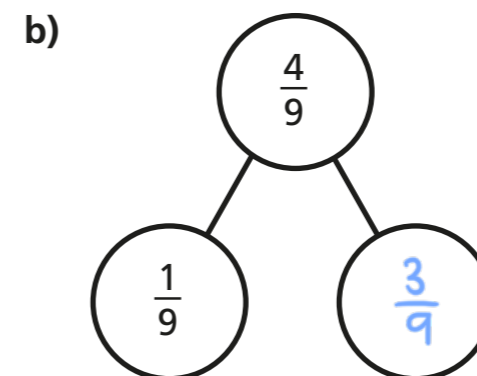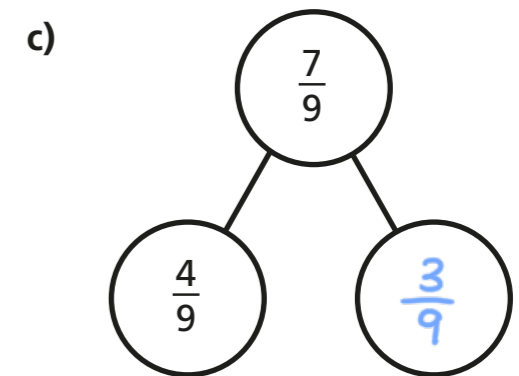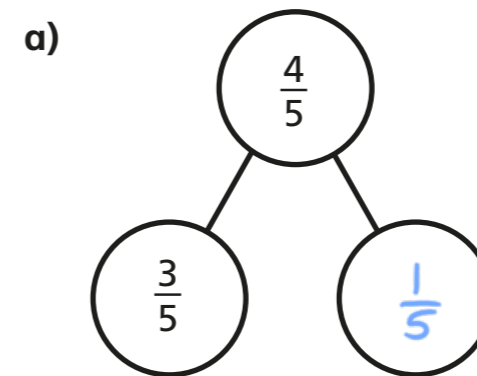
5 Complete the part-whole model in four different ways.

e.g.

Model 1: whole $\frac{4}{8}$, parts $\frac{1}{8}$ and $\frac{3}{8}$

Model 2: whole $\frac{5}{8}$, parts $\frac{2}{8}$ and $\frac{3}{8}$

Model 3: whole $\frac{6}{8}$, parts $\frac{3}{8}$ and $\frac{3}{8}$

Model 4: whole $\frac{7}{8}$, parts $\frac{4}{8}$ and $\frac{3}{8}$
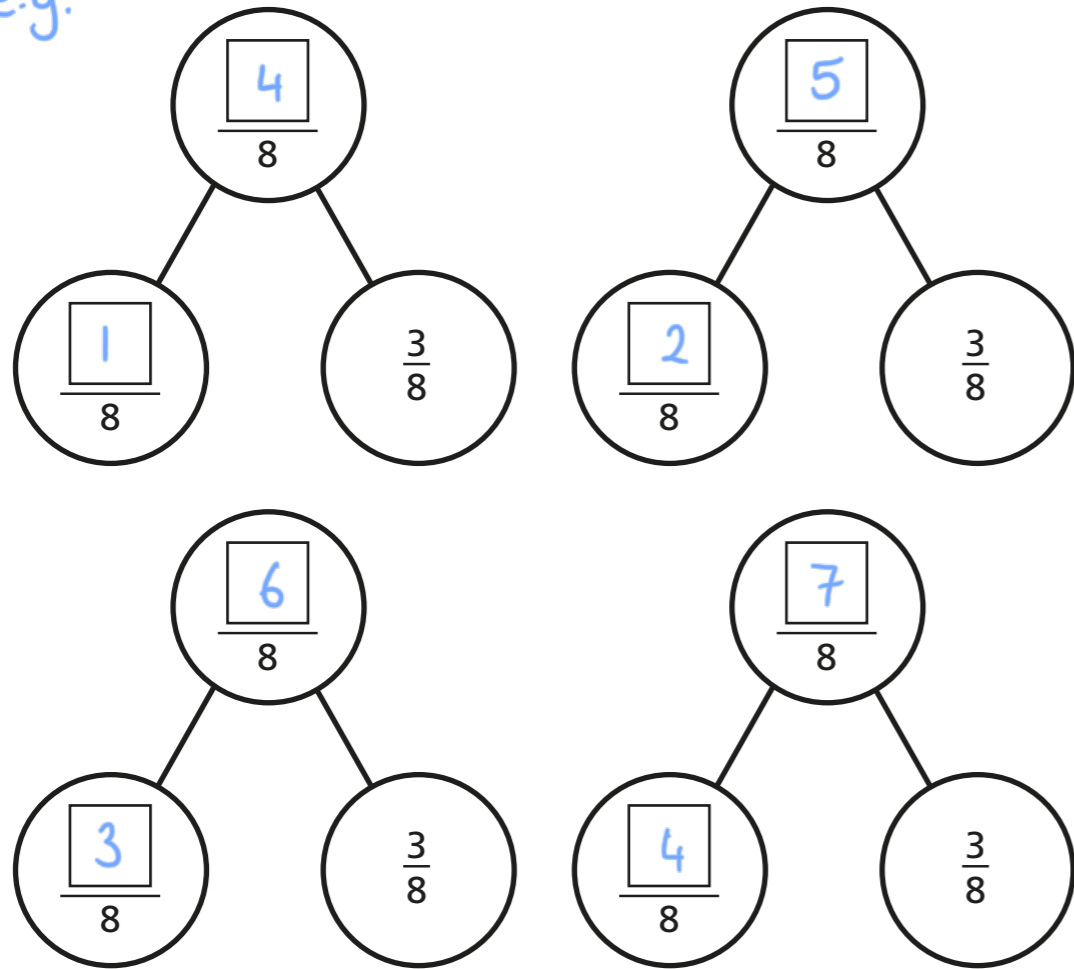
6 Kim has read $\frac{6}{7}$ of her book.

Tom has read $\frac{2}{7}$ of his book.

a) Shade the bar models to represent this information.

Kim [shaded 6 of 7 sections]

Tom [shaded 2 of 7 sections]

b) How much more has Kim read than Tom?

Kim has read $\frac{4}{7}$ more of her book than Tom.

7 Write the missing numerators.

a) $\frac{8}{9} - \frac{\boxed{1}}{9} = \frac{7}{9}$

b) $\frac{5}{11} - \frac{\boxed{1}}{11} = \frac{4}{11}$

c) $\frac{8}{9} - \frac{\boxed{1}}{9} = \frac{3}{9} + \frac{4}{9}$

d) $\frac{7}{9} - \frac{5}{9} = \frac{\boxed{6}}{9} - \frac{4}{9}$

e) $\frac{7}{10} - \frac{5}{10} = \frac{1}{10} + \frac{\boxed{1}}{10}$

f) $\frac{\boxed{3}}{4} - \frac{1}{4} = \frac{1}{4} + \frac{1}{4}$

g) $\frac{\boxed{5}}{5} - \frac{2}{5} = \frac{1}{5} + \frac{2}{5}$

h) $\frac{4}{5} + \frac{1}{5} = \frac{3}{7} - \frac{2}{7} + \frac{\boxed{6}}{7}$

8 Complete the table to show three possible values of the square and triangle.

e.g.

$$\frac{\triangle}{92} - \frac{\blacksquare}{92} = \frac{13}{92}$$

▲	■
14	1
20	7
30	17

How many other answers can you find?