





1 Complete the subtractions.

Use the bar models to help you.

a)   $\frac{2}{3} - \frac{1}{3} = \boxed{\phantom{00}}$

b)   $\frac{2}{5} - \frac{1}{5} = \boxed{\phantom{00}}$

c)   $\frac{3}{5} - \frac{1}{5} = \boxed{\phantom{00}}$

d)   $\frac{4}{5} - \frac{1}{5} = \boxed{\phantom{00}}$



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?

3 Complete the subtractions.

Simplify your answers where possible.

a)  $\frac{7}{10} - \frac{1}{10}$

d)  $\frac{7}{12} - \frac{3}{12}$

g)  $\frac{9}{59} - \frac{5}{59}$

b)  $\frac{7}{10} - \frac{2}{10}$

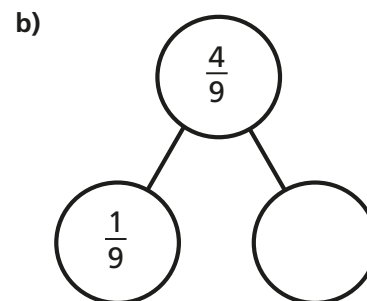
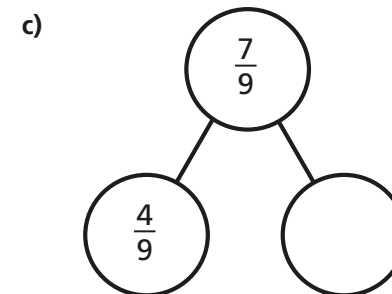
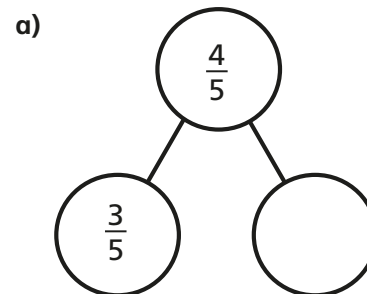
e)  $\frac{8}{12} - \frac{4}{12}$

h)  $\frac{13}{127} - \frac{9}{127}$

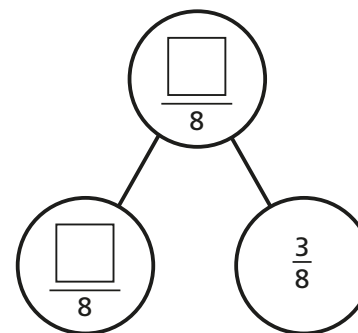
c)  $\frac{7}{10} - \frac{3}{10}$

f)  $\frac{9}{12} - \frac{5}{12}$

4 Complete the part-whole models.

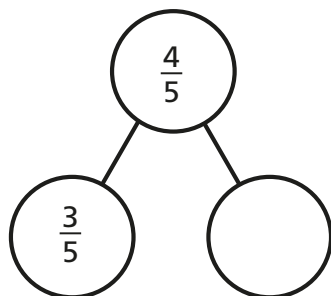


5 Complete the part-whole model in four different ways.

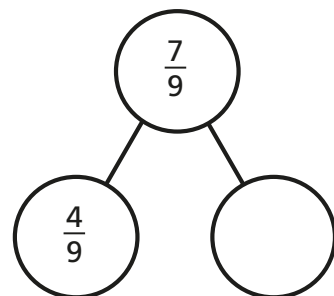


- 4 Complete the part-whole models.

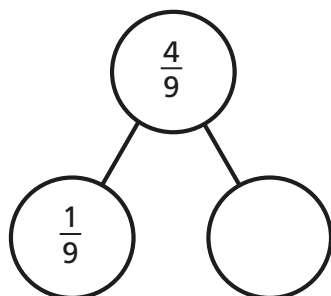
a)



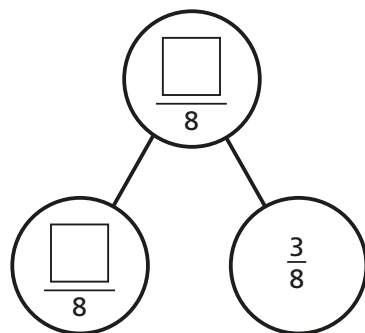
c)



b)



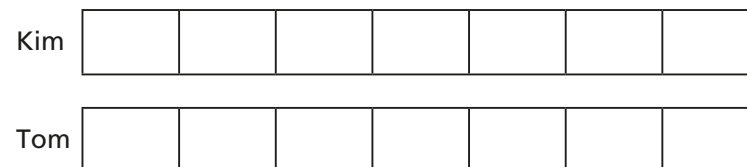
- 5 Complete the part-whole model in four different ways.



- 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.



- b) How much more has Kim read than Tom?

- 7 Write the missing numerators.

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

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

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

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

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

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

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

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

- 8 Find three possible values of the square and triangle.

How many other answers can you find?

$$\frac{\text{triangle}}{92} - \frac{\text{square}}{92} = \frac{13}{92}$$