

1 Complete the subtractions.

Use the bar models to help you.

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

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

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

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



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

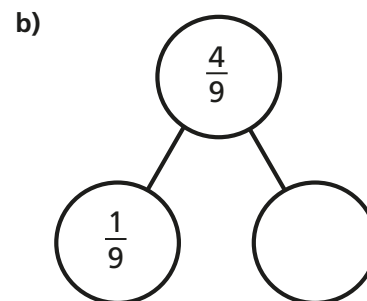
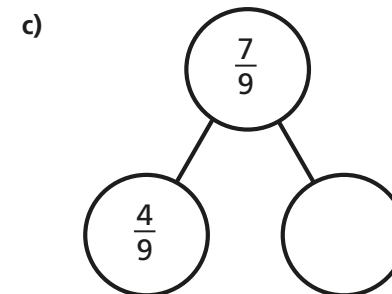
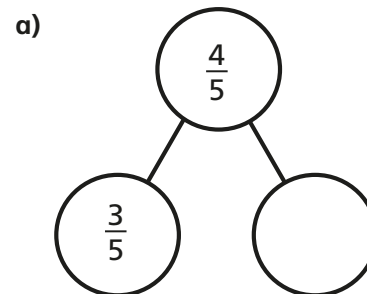
e) $\frac{8}{12} - \frac{4}{12}$

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

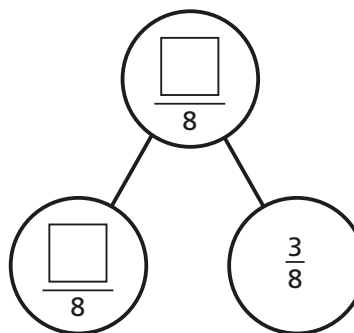
c) $\frac{7}{10} - \frac{3}{10}$

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

4 Complete the part-whole models.

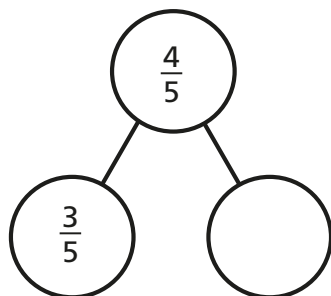


5 Complete the part-whole model in four different ways.

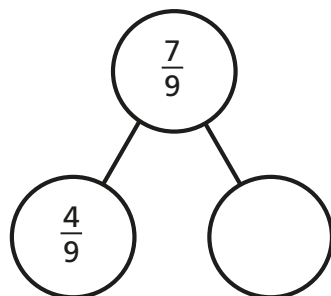


4 Complete the part-whole models.

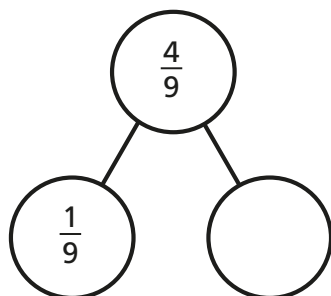
a)



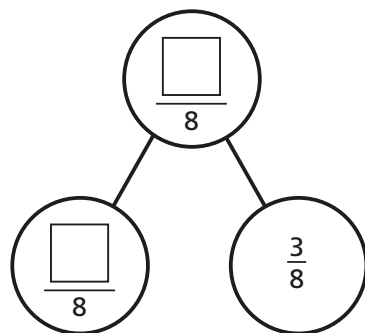
c)



b)



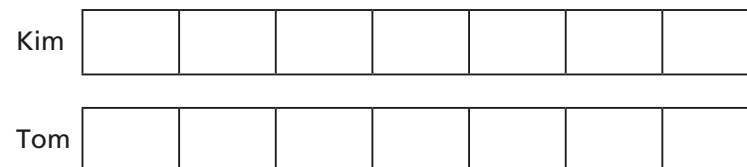
5 Complete the part-whole model in four different ways.



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?

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