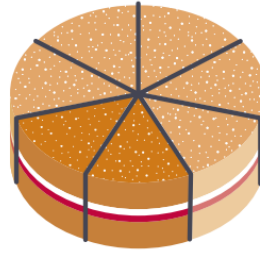




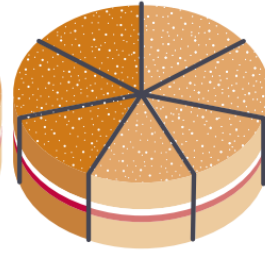
$\frac{5}{7}$ of Amber's cake is eaten.

$\frac{4}{7}$ of Freddie's cake is eaten.

What fraction of cake has been eaten altogether?



Amber's cake

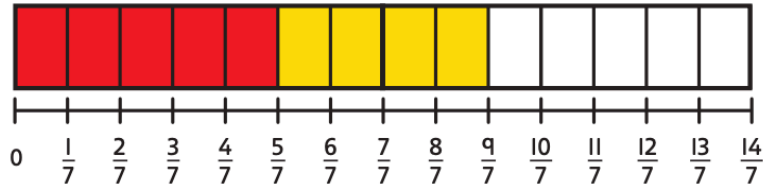


Freddie's cake

$$\frac{5}{7} + \frac{4}{7} = \frac{\square}{\square}$$

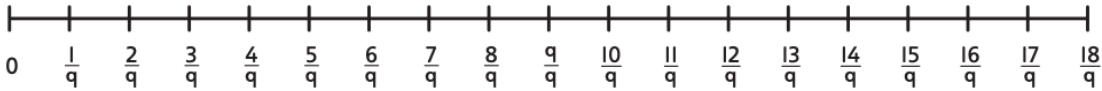
$$\frac{\square}{\square}$$

of cake is eaten altogether.



Alexis runs $\frac{7}{9}$ km, she has a rest and then runs a further $\frac{5}{9}$ km.

How far does Alexis run in total?

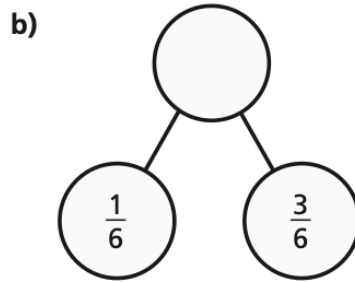
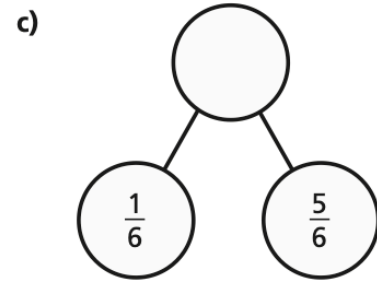
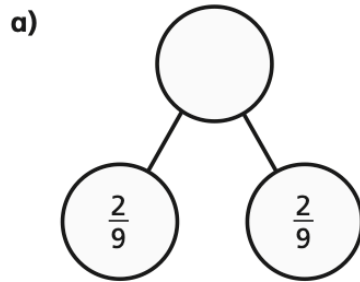


$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$$

Alexis runs $\frac{\square}{\square}$ km in total.



Complete the part-whole models.



Work out the following calculations.

Give your answers as improper fractions.

a) $\frac{3}{4} + \frac{3}{4} = \frac{\boxed{}}{\boxed{}}$

d) $\frac{3}{10} + \frac{1}{10} + \frac{9}{10} = \frac{\boxed{}}{\boxed{}}$

b) $\frac{2}{5} + \frac{4}{5} = \frac{\boxed{}}{\boxed{}}$

e) $\frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \frac{\boxed{}}{}$

c) $\frac{\boxed{}}{\boxed{}} = \frac{5}{12} + \frac{11}{12}$

f) 8 ninths + 5 ninths = $\frac{\boxed{}}{\boxed{}}$

I could draw a fraction strip to help me.



$$\frac{\boxed{}}{4} + \frac{\boxed{}}{4} = \frac{9}{4}$$

What could the missing numerators be?

Give four different possibilities.

$$\frac{\boxed{}}{4} + \frac{\boxed{}}{4} = \frac{9}{4}$$

$$\frac{\boxed{}}{4} + \frac{\boxed{}}{4} = \frac{9}{4}$$

$$\frac{\boxed{}}{4} + \frac{\boxed{}}{4} = \frac{9}{4}$$

$$\frac{\boxed{}}{4} + \frac{\boxed{}}{4} = \frac{9}{4}$$



Tommy is adding fractions.



$$\frac{3}{4} + \frac{3}{4} = \frac{6}{8}$$

Explain why Tommy is incorrect.



Rosie, Whitney and Teddy have each been for a walk.

Rosie walked $\frac{5}{8}$ km.

Whitney walked $\frac{7}{8}$ km.

Teddy walked $\frac{3}{8}$ km.

a) How far did they walk altogether?

 km

b) Jack also went for a walk.

Altogether the four children walked 3 km.

How far did Jack walk?

 km