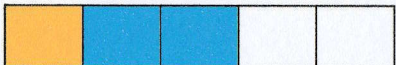




# Add 2 or more fractions

1 Complete the additions.

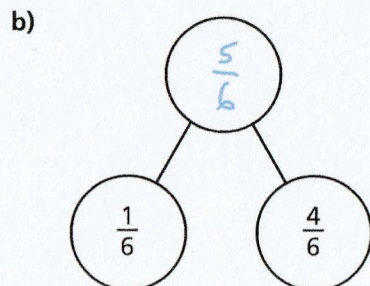
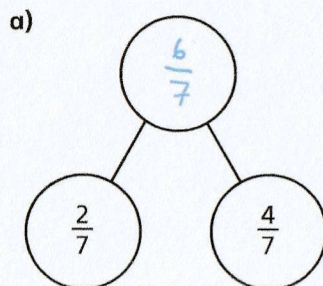
a)   $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

b)   $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$

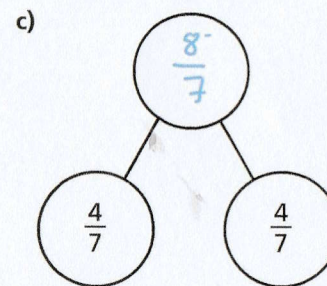
c)   $\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$

d)   $\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$

2 Complete the part-whole models.



Use  
bar  
models  
to help  
you.



3 Complete the additions.

a)  $\frac{3}{7} + \frac{3}{7} = \frac{6}{7}$

e)  $\frac{8}{11} + \frac{6}{11} = \frac{14}{11} = 1\frac{3}{11}$

b)  $\frac{3}{7} + \frac{4}{7} = \frac{7}{7} = 1$

f)  $\frac{4}{11} + \frac{4}{11} + \frac{6}{11} = \frac{14}{11} = 1\frac{3}{11}$

c)  $\frac{4}{5} + \frac{3}{5} = \frac{7}{5} = 1\frac{2}{5}$

g)  $\frac{3}{11} + \frac{3}{11} + \frac{8}{11} = \frac{14}{11} = 1\frac{3}{11}$

d)  $\frac{8}{5} + \frac{6}{5} = \frac{14}{5} = 2\frac{4}{5}$

h)  $\frac{3}{7} + \frac{3}{7} + \frac{8}{7} = \frac{14}{7} = 2$



4

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

What could the missing numerators be?

Give four different possibilities.

e.g.  $\frac{1}{4} + \frac{8}{4} = \frac{9}{4}$

$$\frac{3}{4} + \frac{6}{4} = \frac{9}{4}$$

$$\frac{2}{4} + \frac{7}{4} = \frac{9}{4}$$

$$\frac{4}{4} + \frac{5}{4} = \frac{9}{4}$$

## Challenge \*\*\*

6

Complete the number sentences.

a)  $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

e)  $\frac{4}{9} + \frac{9}{9} = \frac{13}{9} = 1\frac{4}{9}$

b)  $\frac{3}{8} + \frac{5}{8} = 1$

f)  $\frac{4}{9} + \frac{12}{9} = \frac{16}{9} = 1\frac{7}{9}$

c)  $\frac{3}{16} + \frac{13}{16} = 1$

g)  $\frac{5}{7} + \frac{4}{7} + \frac{5}{7} = 2$

d)  $\frac{4}{9} + \frac{7}{9} = \frac{11}{9} = 1\frac{2}{9}$

h)  $\frac{5}{7} + \frac{11}{7} + \frac{5}{7} = 3$

## Challenge \*\*\*

7

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?

$$1\frac{7}{8} \text{ km}$$

b) Jack also went for a walk.

Altogether the four children walked 3 km.

How far did Jack walk?

$$1\frac{1}{8} \text{ km}$$