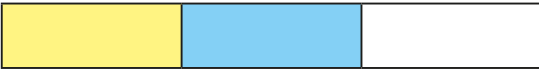


1 Complete the additions.

Use the bar models to help you.

a)  $\frac{1}{3} + \frac{1}{3} = \square$

b)  $\frac{1}{5} + \frac{1}{5} = \square$

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

d)  $\frac{1}{5} + \frac{3}{5} = \square$

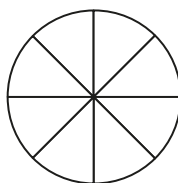
2 Shade circles like this one to help you complete the additions.

a) $\frac{1}{8} + \frac{3}{8} = \square$

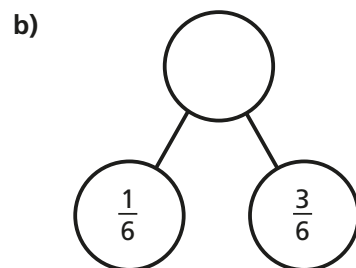
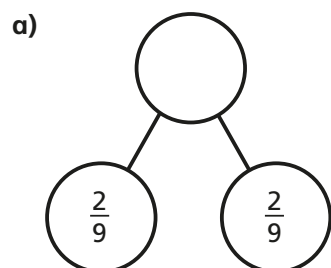
c) $\frac{3}{8} + \frac{3}{8} = \square$

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

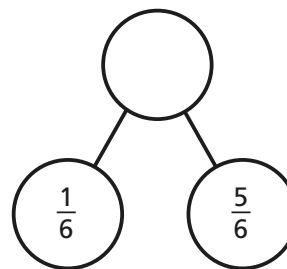
d) $\frac{5}{8} + \frac{3}{8} = \square$



3 Complete the part-whole models.



c)



Which part-whole model is the odd one out?

Talk about your choice with a partner. Did they choose the same odd one out?

4 Alex and Huan are eating a cake.

Alex eats $\frac{4}{7}$ of the cake.

Huan eats $\frac{2}{7}$ of the cake.

What fraction of the cake have they eaten altogether?

5 Teddy is adding fractions.

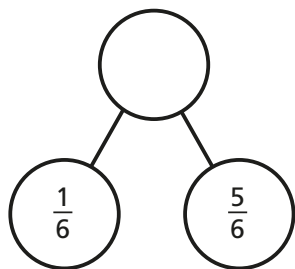


$\frac{1}{4} + \frac{2}{4} = \frac{3}{8}$

a) Draw a bar model to show that Teddy is wrong.

b) Complete the addition $\frac{1}{4} + \frac{2}{4} = \square$

c)



Which part-whole model is the odd one out?

Talk about your choice with a partner. Did they choose the same odd one out?

4 Alex and Huan are eating a cake.

Alex eats $\frac{4}{7}$ of the cake.

Huan eats $\frac{2}{7}$ of the cake.

What fraction of the cake have they eaten altogether?

5 Teddy is adding fractions.



$$\frac{1}{4} + \frac{2}{4} = \frac{3}{8}$$

a) Draw a bar model to show that Teddy is wrong.

b) Complete the addition $\frac{1}{4} + \frac{2}{4} = \boxed{}$

6 Annie has baked 12 muffins.

She puts them into 2 boxes.

What fraction of the muffins could she put in each box?

Complete the table to show different possibilities.

One has been done for you.

Box 1	Box 2
$\frac{1}{12}$	$\frac{11}{12}$

Are there any other possibilities? Talk about it with a partner.

7 Complete the additions.

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

d) $\frac{3}{103} + \frac{4}{103}$

b) $\frac{3}{9} + \frac{4}{9}$

e) $\frac{5}{31} + \frac{9}{31}$

c) $\frac{3}{29} + \frac{4}{29}$

f) $\frac{17}{111} + \frac{33}{111}$