Blue task – Adding fractions

1) Complete the additions using the bar models to help you.

a) 

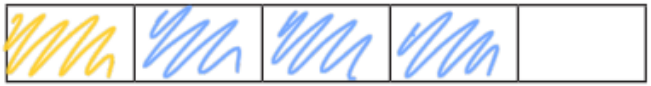
$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

b) 

$\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$

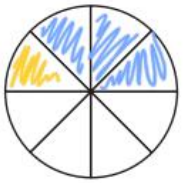
c) 

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

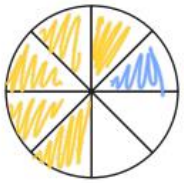
d) 

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

2) Shade the circles and complete the additions.

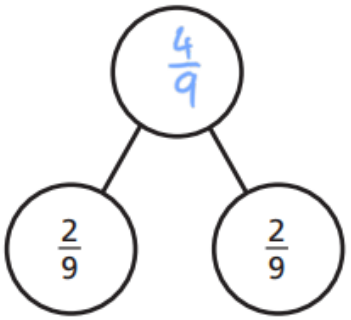
a) 

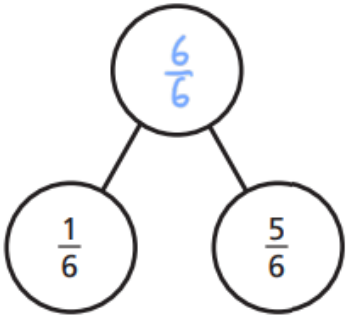
$\frac{1}{8} + \frac{3}{8} = \frac{4}{8}$

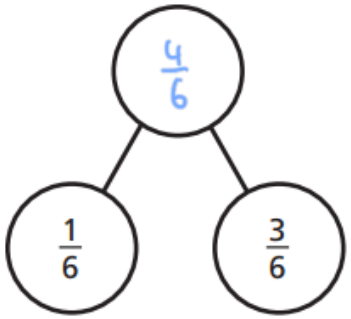
b) 

$\frac{5}{8} + \frac{1}{8} = \frac{6}{8}$

3) Complete the part-whole models.

a) 

c) 

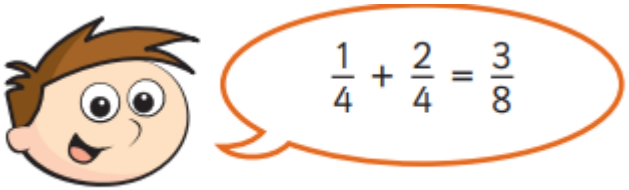
b) 

Which part-whole model is the odd one out?
If you can, talk about your choice with a somebody in your house hold/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?

They have eaten $\frac{6}{7}$ of the cake altogether.

5) Teddy is adding fractions.



Draw a bar model to show that Teddy is wrong.

$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$ not $\frac{3}{8}$

Complete the addition: $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$

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
$\frac{1}{12}$	$\frac{11}{12}$
$\frac{2}{12}$	$\frac{10}{12}$
$\frac{3}{12}$	$\frac{9}{12}$
$\frac{4}{12}$	$\frac{8}{12}$
$\frac{5}{12}$	$\frac{7}{12}$
$\frac{6}{12}$	$\frac{6}{12}$

7) Complete the additions:

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

b) $\frac{3}{9} + \frac{4}{9} = \boxed{\frac{7}{9}}$

c) $\frac{3}{29} + \frac{4}{29} = \boxed{\frac{7}{29}}$

d) $\frac{3}{103} + \frac{4}{103} = \boxed{\frac{7}{103}}$

e) $\frac{5}{31} + \frac{9}{31} = \boxed{\frac{14}{31}}$

f) $\frac{17}{111} + \frac{33}{111} = \boxed{\frac{50}{111}}$