## Add fractions

(1) Complete the additions.

Use the bar models to help you.
a) $\square$ $\frac{1}{3}+\frac{1}{3}=\frac{2}{3}$
b)

c)

d)

(2)

Shade the circles and complete the additions.
a)

b)


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

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

c)

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

$\frac{5}{8}+\frac{3}{8}=\frac{8}{8}$
(3) Complete the part-whole models.
a)

c)

b)


Which part-whole model is the odd one out? various
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?

They have eaten $\square$ of the cake altogether.

5
Teddy is adding fractions.


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 four possibilities.
One has been done for you.

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

Are there any other possibilities? Talk about it with a partner.
(7) Complete the additions.
a) $\frac{3}{8}+\frac{4}{8}=\frac{7}{8}$
b) $\frac{3}{9}+\frac{4}{9}=\frac{7}{9}$
c) $\frac{3}{29}+\frac{4}{29}=\frac{7}{29}$
d) $\frac{3}{103}+\frac{4}{103}=\frac{7}{103}$
e) $\frac{5}{31}+\frac{9}{31}=\frac{14}{31}$
f) $\frac{17}{111}+\frac{33}{111}=\frac{50}{111}$
b) Complete the addition $\frac{1}{4}+\frac{2}{4}=\frac{3}{4}$

