




Add fractions

I Complete the additions.

Use the bar models to help you.

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

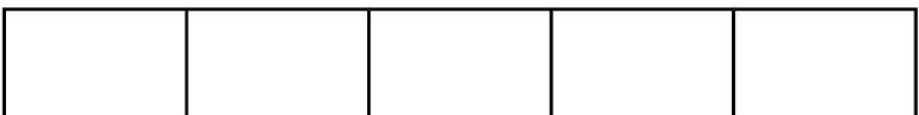

The bar model consists of three equal rectangular sections. The first section is yellow, representing 1/3. The second section is blue, representing another 1/3. The third section is white and empty.

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

The bar model consists of five equal rectangular sections. The first section is yellow, representing 1/5. The second section is blue, representing another 1/5. The remaining three sections are white and empty.

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

The bar model consists of five equal rectangular sections. The first section is yellow, representing 1/5. The next two sections are blue, representing 2/5. The remaining two sections are white and empty.

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

The bar model consists of five equal rectangular sections, all of which are white and empty.

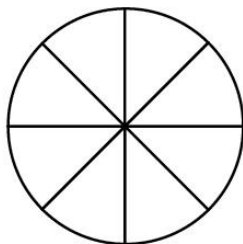




2

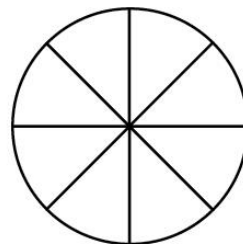
Shade the circles and complete the additions.

a)



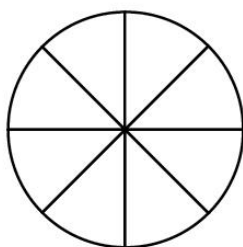
$$\frac{1}{8} + \frac{3}{8} = \boxed{}$$

c)



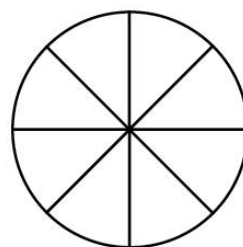
$$\frac{3}{8} + \frac{3}{8} = \boxed{}$$

b)



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

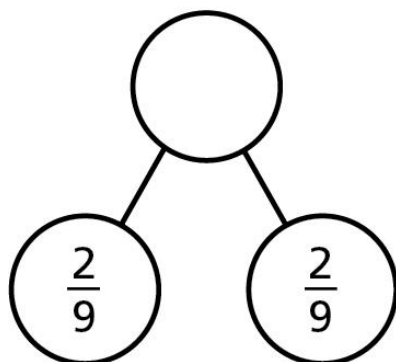
d)



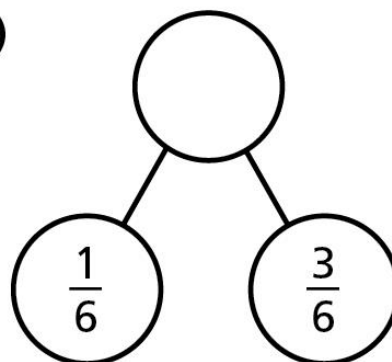
$$\frac{5}{8} + \frac{3}{8} = \boxed{}$$

3 Complete the part-whole models.

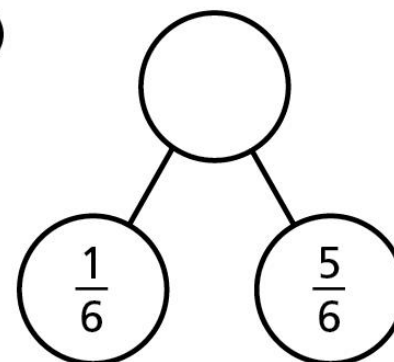
a)



b)



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.

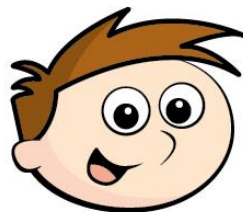
Alex eats $\frac{4}{7}$ of the cake.

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

What fraction of the cake have they eaten altogether?

They have eaten of the cake 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.

A large, empty rectangular box with a thick orange border, intended for drawing a bar model.

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





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