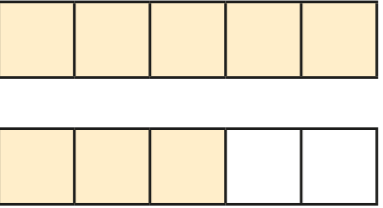
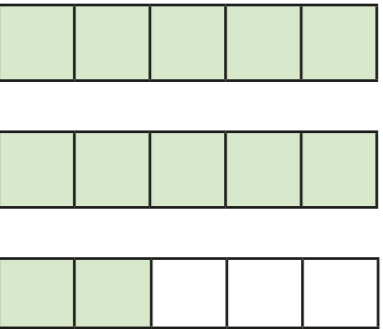
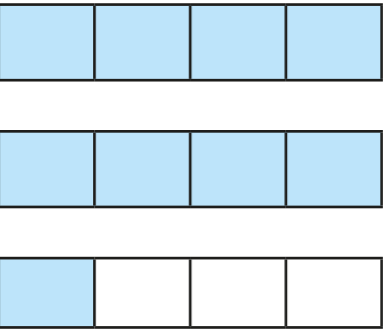


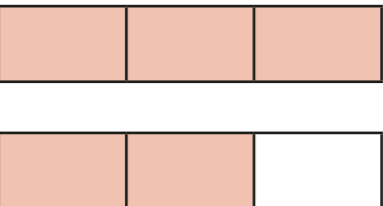
Improper to mixed numbers

1 Convert the improper fractions to mixed numbers.

a)  $\frac{8}{5} = \square$

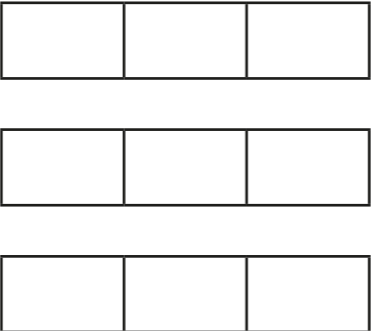
b)  $\frac{\square}{5} = \square$

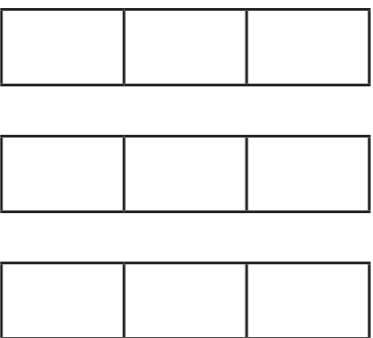
c)  $\frac{\square}{\square} = \square$

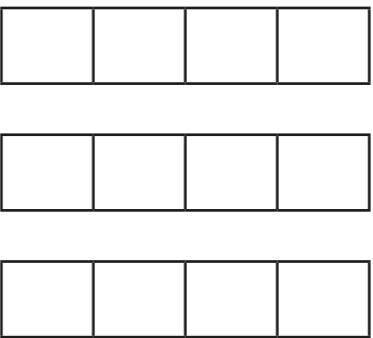
d)  $\frac{\square}{\square} = \square$

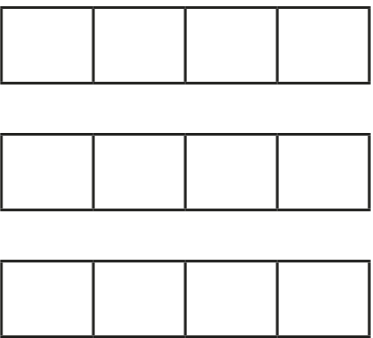


2 Shade the bar models to represent each improper fraction. Convert the improper fractions to mixed numbers.

a)  $\frac{7}{3} = \square$

b)  $\frac{8}{3} = \square$

c)  $\frac{9}{4} = \square$

d)  $\frac{11}{4} = \square$



3 Convert the improper fractions to mixed numbers.

a) $\frac{10}{2} =$

e) $\frac{12}{5} =$

b) $\frac{10}{3} =$

f) $\frac{13}{6} =$

c) $\frac{10}{4} =$

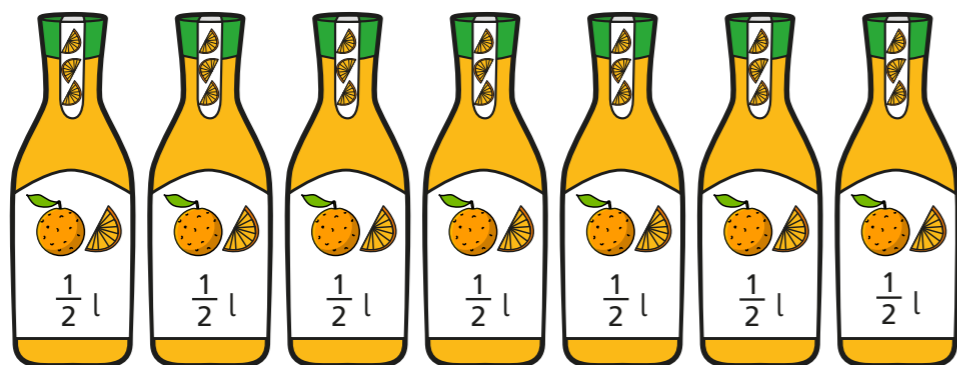
g) $\frac{13}{7} =$

d) $\frac{10}{5} =$

h) $\frac{31}{8} =$

4 Eva has 7 bottles of juice.

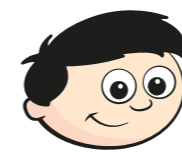
Each bottle contains half a litre of juice.



How many litres of juice does Eva have altogether?

Write your answer as a mixed number.

5 Dexter is converting improper fractions.



$\frac{32}{3} = 3\frac{2}{3}$

Explain why Dexter is incorrect.

6 Find the value of \odot

$\frac{27}{\odot} = \odot \frac{2}{\odot}$

$\odot =$

7 Find two possible values for \star and \blacktriangle

$\frac{30}{\star} = \blacktriangle \frac{2}{\star}$

$\star =$

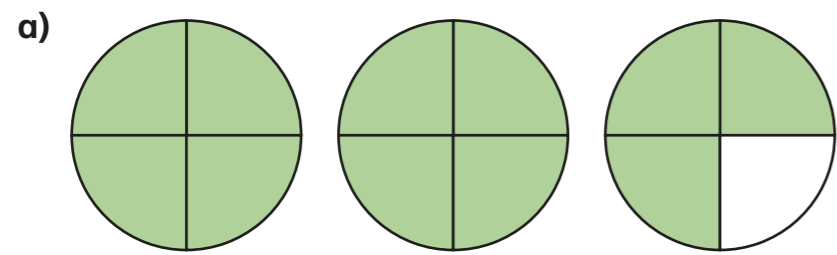
$\blacktriangle =$

$\star =$

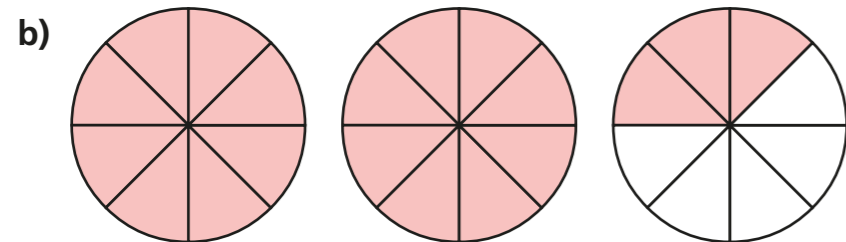
$\blacktriangle =$

Mixed numbers to improper fractions

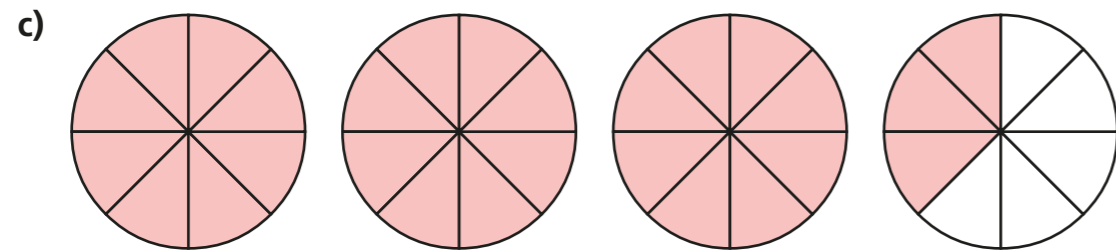
1 Convert the mixed numbers to improper fractions.



$$2\frac{3}{4} = \frac{\quad}{4}$$



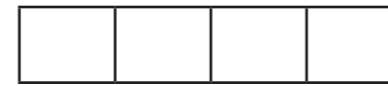
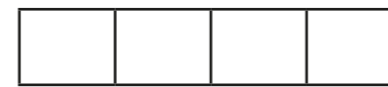
$$2\frac{3}{8} = \frac{\quad}{8}$$



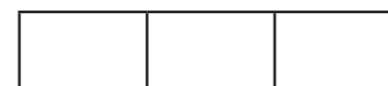
$$3\frac{3}{8} = \frac{\quad}{8}$$

2 Convert the mixed numbers to improper fractions.

Colour the bar models to help you.



$$2\frac{1}{4} = \boxed{\quad}$$



$$2\frac{1}{3} = \boxed{\quad}$$



$$3\frac{1}{3} = \boxed{\quad}$$



$$3\frac{2}{5} = \boxed{\quad}$$



3 Convert the mixed numbers to improper fractions.

Write the next conversion in each part.

a) $2\frac{1}{7} = \square$

$2\frac{2}{7} = \square$

$2\frac{3}{7} = \square$

$\square = \square$

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

$5\frac{1}{4} = \square$

$5\frac{1}{8} = \square$

$\square = \square$

b) $3\frac{1}{5} = \square$

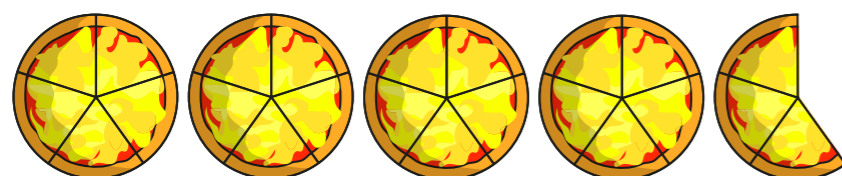
$4\frac{1}{5} = \square$

$5\frac{1}{5} = \square$

$\square = \square$

Talk to a partner about any patterns you spot.

4 Here are 4 whole pizzas and $\frac{3}{5}$ of a pizza.



How many children can have $\frac{1}{5}$ of a pizza?

5 Whitney is converting mixed numbers to improper fractions.



$4\frac{1}{7} = \frac{28}{7}$

Do you agree with Whitney? _____

Explain your answer.

6

$\text{circle} \frac{3}{5} = \text{triangle} \frac{1}{5}$

The table shows some possible values of the circle.

Use this to find the corresponding value of the triangle.

●	▲
1	
2	
4	
8	
16	
	88
	803