Improper to mixed numbers
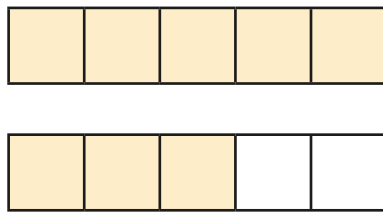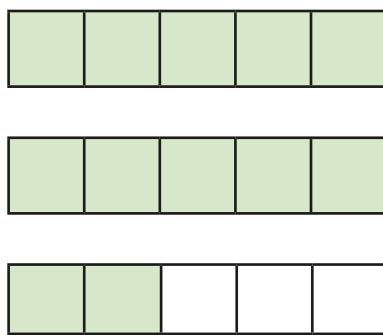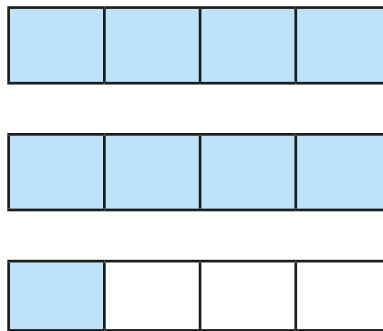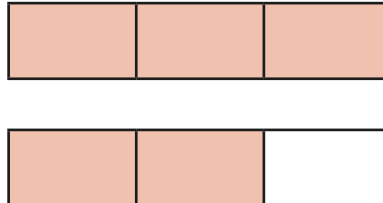
1 Convert the improper fractions to mixed numbers.

a)
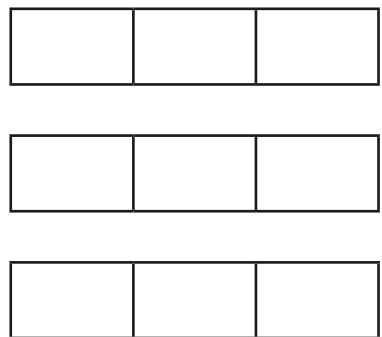
$\frac{8}{5} =$ ☐
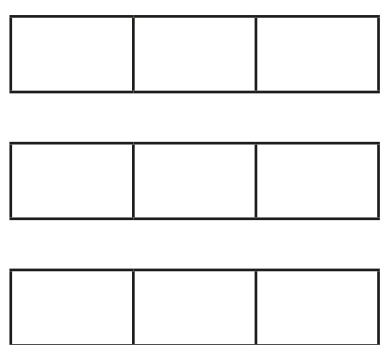
b)

$\frac{}{5} =$ ☐
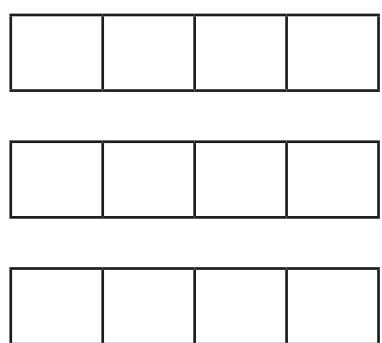
c)

$\frac{}{} =$ ☐

d)

$\frac{}{} =$ ☐
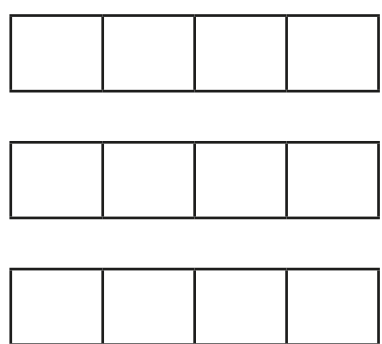
2 Shade the bar models to represent each improper fraction.

Convert the improper fractions to mixed numbers.

a)

$\frac{7}{3} =$ ☐

b)

$\frac{8}{3} =$ ☐

c)

$\frac{9}{4} =$ ☐

d)

$\frac{11}{4} =$ ☐

3 Convert the improper fractions to mixed numbers.

a) $\frac{10}{2}$ = ⬜

b) $\frac{10}{3}$ = ⬜

c) $\frac{10}{4}$ = ⬜

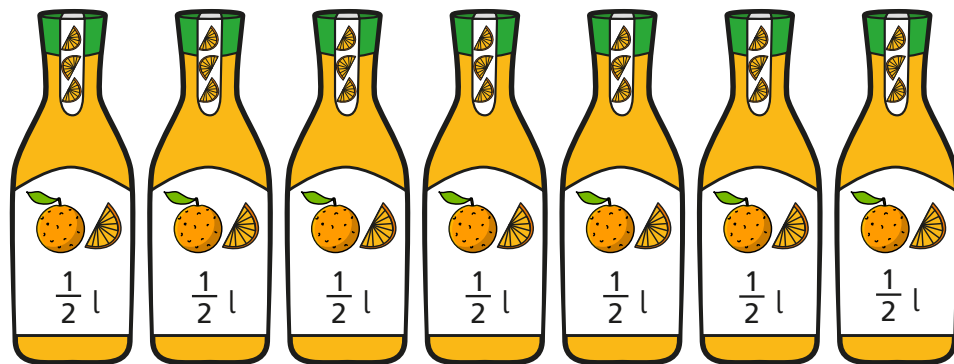d) $\frac{10}{5}$ = ⬜

e) $\frac{12}{5}$ = ⬜

f) $\frac{13}{6}$ = ⬜

g) $\frac{13}{7}$ = ⬜

h) $\frac{31}{8}$ = ⬜
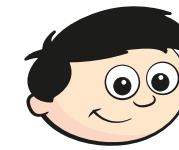
4 Eva has 7 bottles of juice.

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 ⬤

$\frac{27}{⬤} = ⬤\frac{2}{⬤}$

⬤ = ⬜

7 Find two possible values for ★ and ▲

$\frac{30}{★} = ▲\frac{2}{★}$

★ = ⬜   ▲ = ⬜
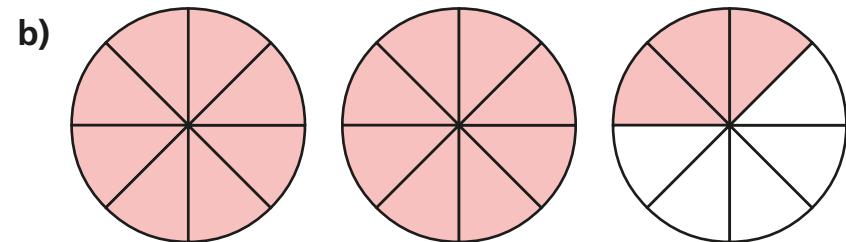
★ = ⬜   ▲ = ⬜

Mixed numbers to improper fractions

1 Convert the mixed numbers to improper fractions.

a)

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

b)

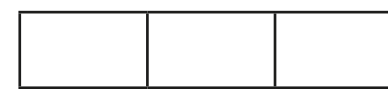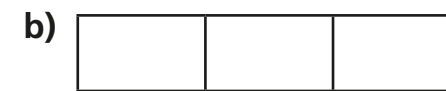$$2\frac{3}{8} = \frac{\boxed{}}{8}$$

c)
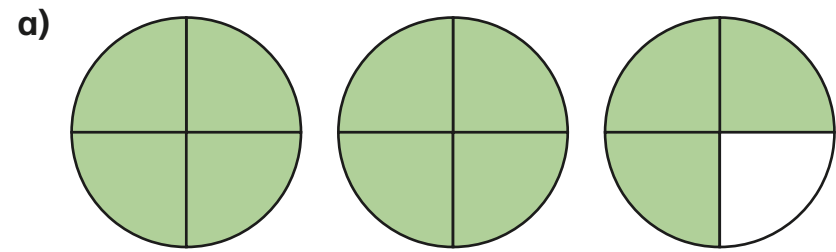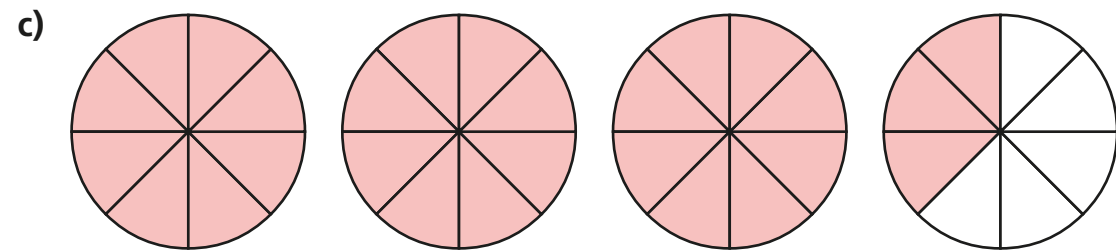
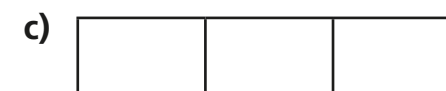$$3\frac{3}{8} = \frac{\boxed{}}{8}$$

2 Convert the mixed numbers to improper fractions.

Colour the bar models to help you.

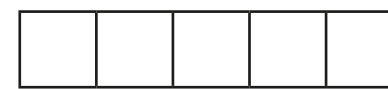a)

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

b)

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

c)

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

d)
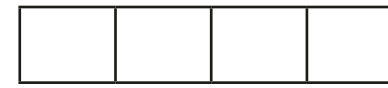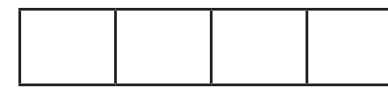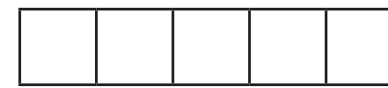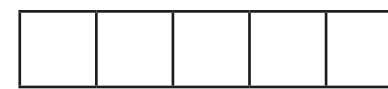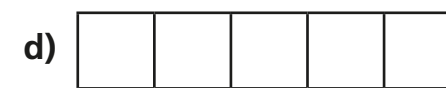
$$3\frac{2}{5} = \boxed{}$$

3 Convert the mixed numbers to improper fractions.

Write the next conversion in each part.

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

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

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

$\boxed{} = \boxed{}$

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

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

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

$\boxed{} = \boxed{}$

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

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

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

$\boxed{} = \boxed{}$

Talk to a partner about any patterns you spot.

4 Here are 4 whole pizzas and $\frac{3}{5}$ of a pizza.
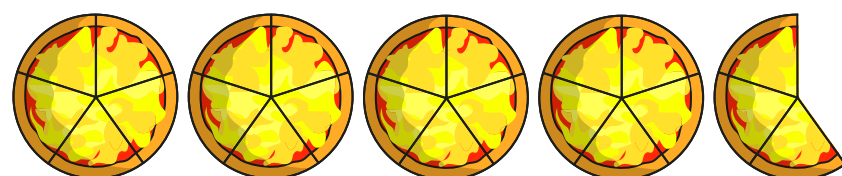
How many children can have $\frac{1}{5}$ of a pizza? $\boxed{}$

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

$\bigcirc \frac{3}{5} = \frac{\triangle}{5}$

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