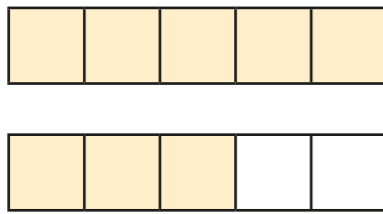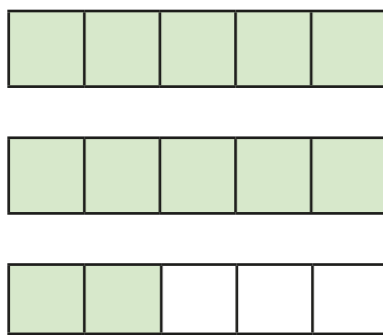# Improper to mixed numbers
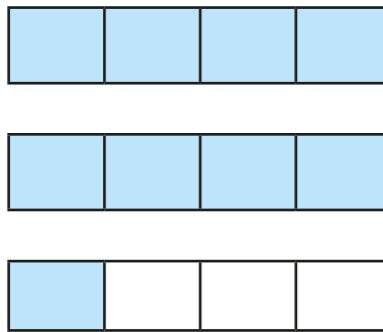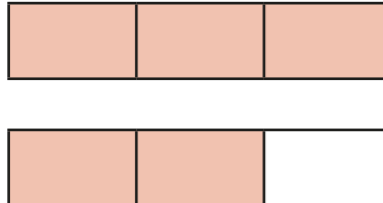
1 Convert the improper fractions to mixed numbers.
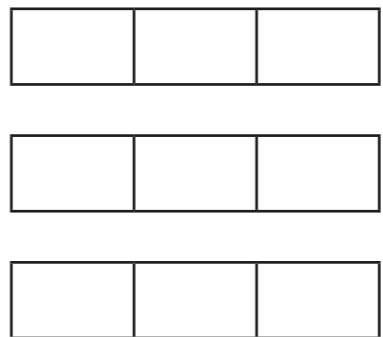
a)

$$\frac{8}{5} = \boxed{}$$
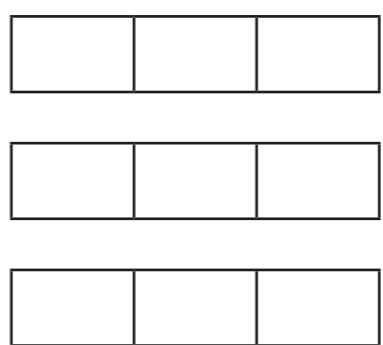
b)

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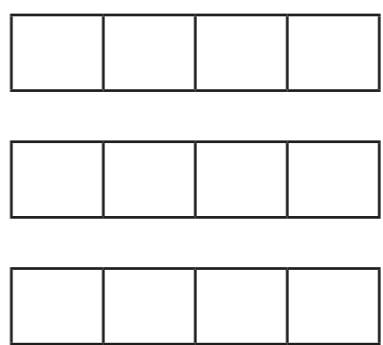
c)

$$\frac{\boxed{}}{\boxed{}} = \boxed{}$$

d)

$$\frac{\boxed{}}{\boxed{}} = \boxed{}$$

2 Shade the bar models to represent each improper fraction.

Convert the improper fractions to mixed numbers.

a)

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

b)

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

c)

$$\frac{9}{4} = \boxed{}$$

d)

$$\frac{11}{4} = \boxed{}$$

3 Convert the improper fractions to mixed numbers.
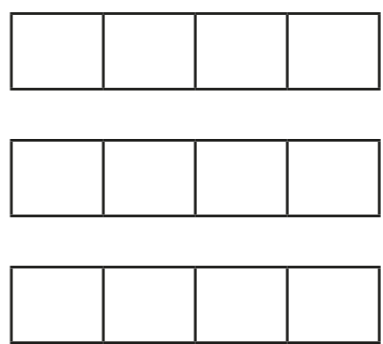
a) $\frac{10}{2}$ =

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

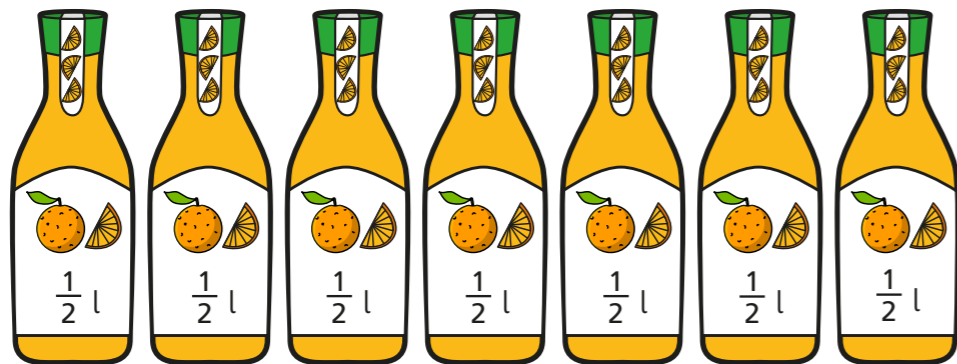b) $\frac{10}{3}$ =

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 🟡

$$\frac{27}{🟡} = 🟡\frac{2}{🟡}$$

🟡 =

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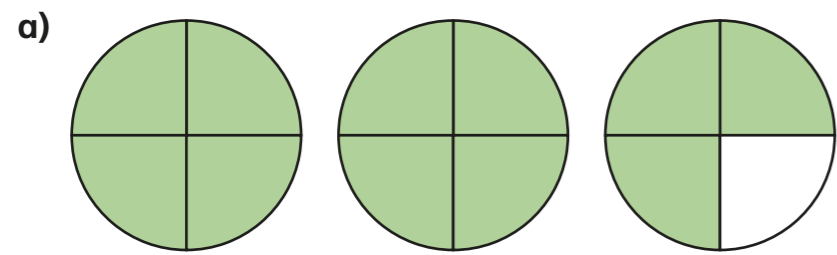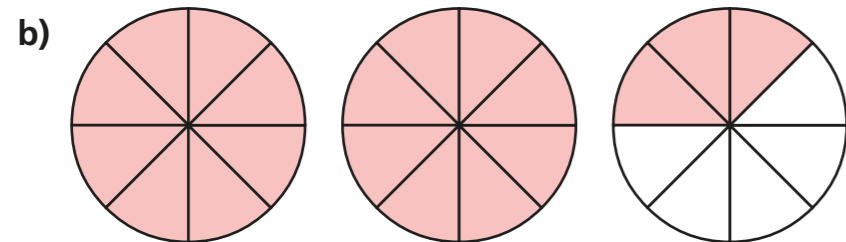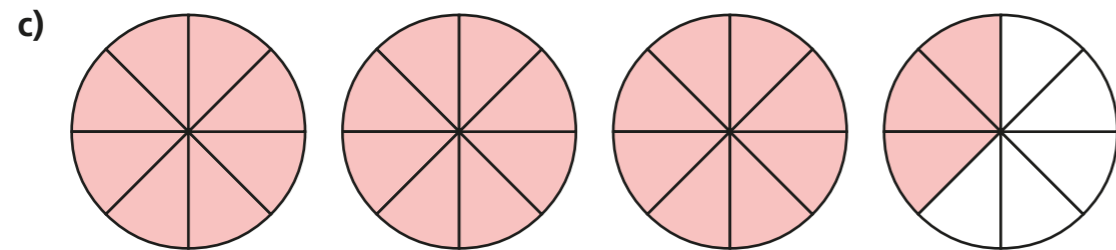
$$3\frac{3}{8} = \frac{\boxed{}}{8}$$

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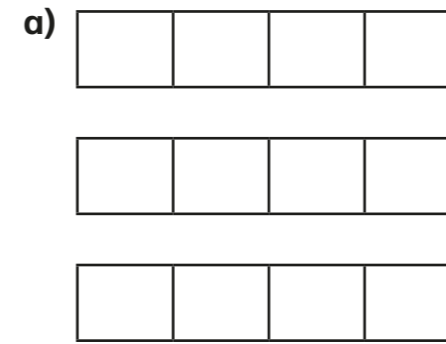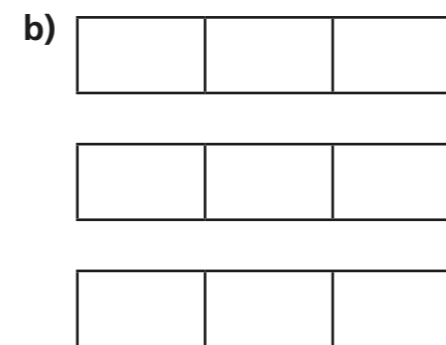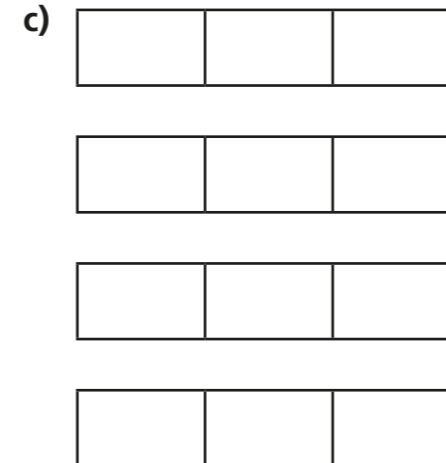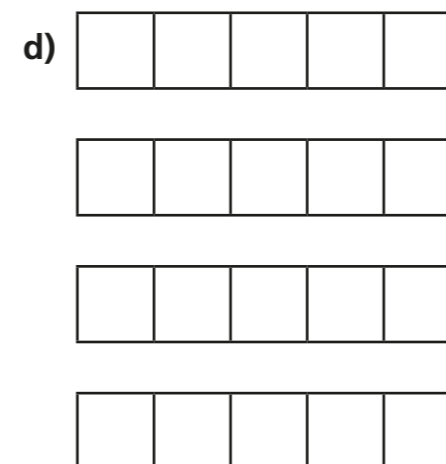
$$3\frac{2}{5} = \boxed{}$$

3 Convert the mixed numbers to improper fractions.

Write the next conversion in each part.

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

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

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

$\boxed{} = \boxed{}$

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

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

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

$\boxed{} = \boxed{}$

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

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

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

$\boxed{} = \boxed{}$

Talk to a partner about any patterns you spot.

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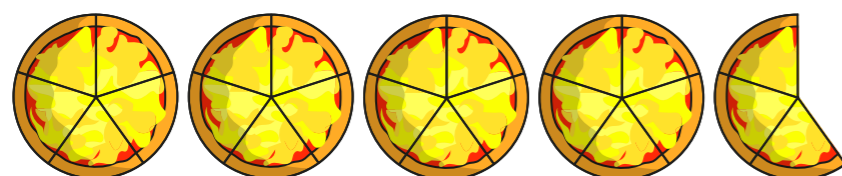
How many children can have $\dfrac{1}{5}$ of a pizza? $\boxed{}$

5 Whitney is converting mixed numbers to improper fractions.

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

Do you agree with Whitney? _____

Explain your answer.

_____

_____

6

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

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