Power Up
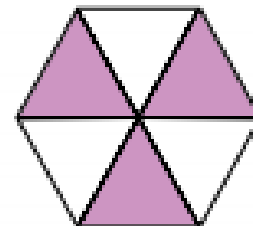
Which of these shapes do not show $\frac{3}{5}$? Explain how you know.
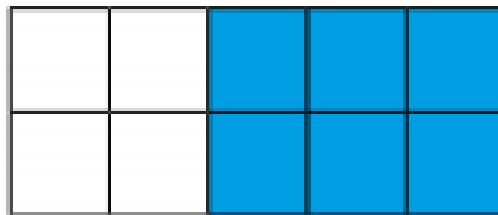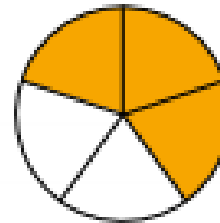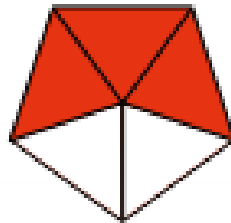
Re-cap

What is the top and bottom parts of a fraction called?

Lets look at these together:

a) 7 runners each take a bottle of water.

How many whole packs are needed?

What fraction of the next pack is needed?
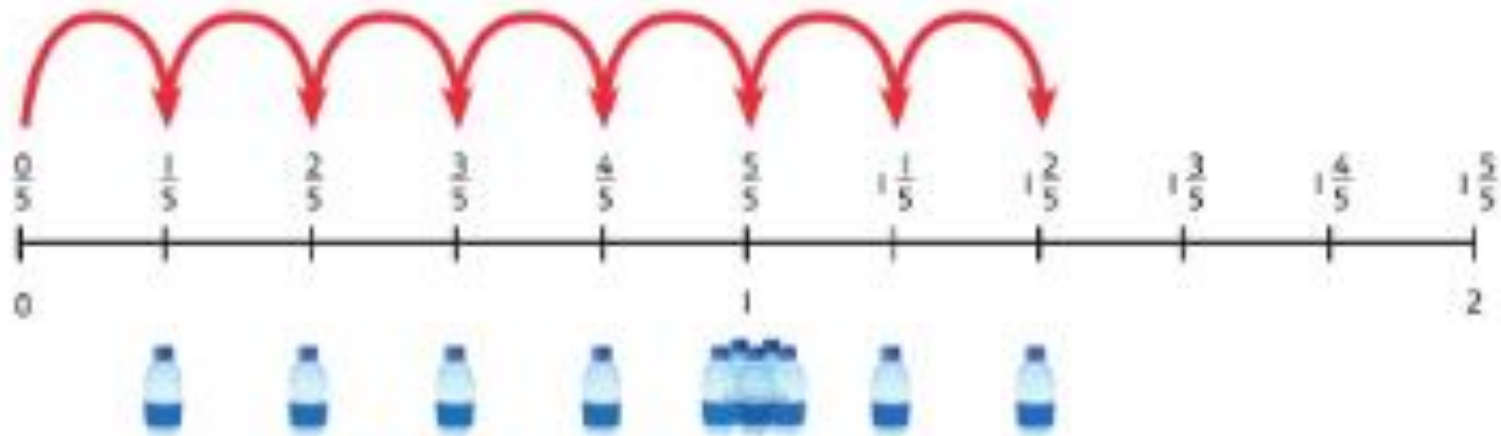
Year 4 Maths
LO: To recognise fractions greater than 1

There are 5 bottles of water in each pack. Count in fifths.

Make 7 jumps, 1 for each runner.

I whole pack and $\frac{2}{5}$ of the next pack are needed.

Year 4 Maths
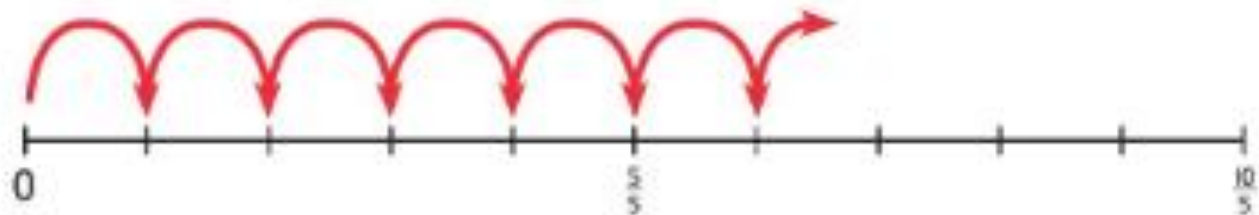## LO: To recognise fractions greater than 1

Now try this one

Think together

1 9 people took an energy bar at the next station.

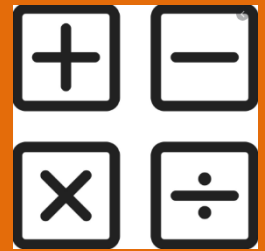How many packs of energy bars were eaten?

Write your answer in two ways.

☐/☐ packs were eaten.

☐/☐ of a pack was eaten.

This is an improper fraction:

$$\frac{13}{5} = \underline{}$$

What would this fraction look like as a mixed number fraction?

This is a mixed number fraction:

$$3\frac{4}{6} = \underline{}$$

What would this fraction look like as an improper fraction?

True or false?

$$\frac{13}{5} = 9 \text{ wholes and 4 fifths}$$

Year 4 Maths
LO: To recognise fractions greater than 1

Success Criteria

• How many are there?

• How many parts are shaded in?

• How many wholes are there?

• How many parts are left over?

• Can you write the improper fraction?

• Can you write the mixed number fraction?

Year 4 Maths

LO: To recognise fractions greater than 1

Fluency – Write the fractions in your book and write the improper fraction next to it. (Draw the fractions if this helps)

1. $9\frac{1}{2}$

2. $5\frac{3}{4}$

3. $3\frac{2}{3}$

4. $3\frac{1}{2}$

5. $2\frac{3}{5}$

6. $7\frac{4}{5}$

7. $1\frac{5}{7}$
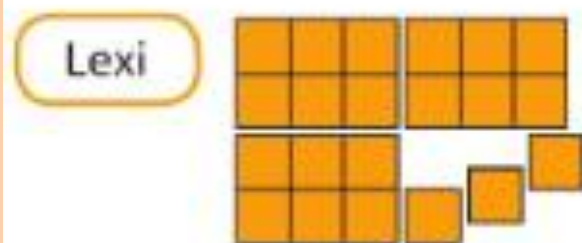
Year 4 Maths
LO: To recognise fractions greater than 1

Reasoning

Lexi and Amelia made rectangles from small squares.

How many rectangles did each person make?

Lexi

Amelia

Lexi made ☐ complete rectangles with ☐ squares left over.

She made $\dfrac{\square}{\square}$ rectangles.

Amelia made ☐ complete rectangles with ☐ squares left over.

She made $\dfrac{\square}{\square}$ rectangles.
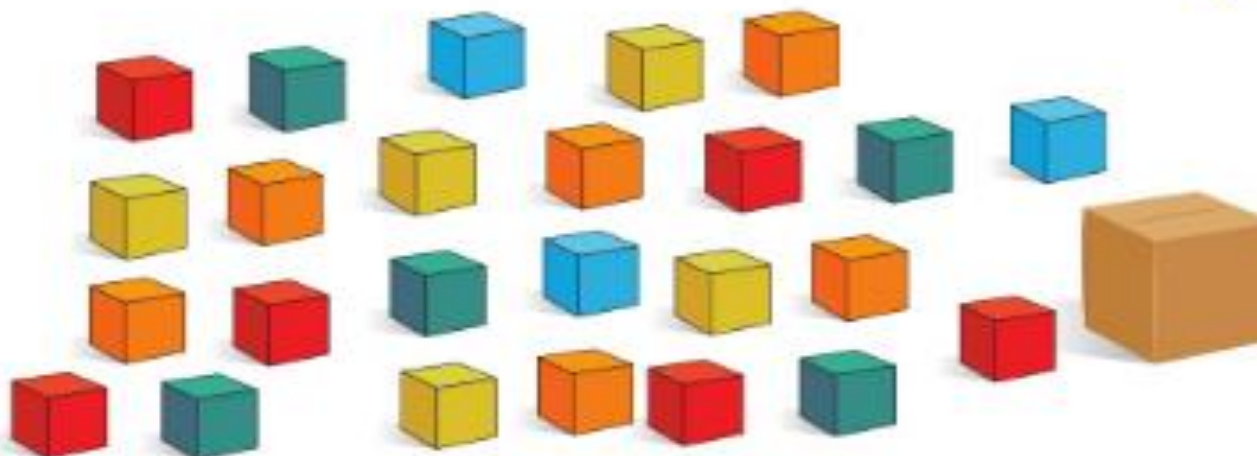
Problem Solving

Olivia is tidying away some toy cubes.

8 cubes fit into one box.

a) How many boxes can Olivia fill completely? ☐ boxes

b) How many cubes will be left over?

☐ will be left over.

c) Write the boxes of cubes as a mixed number.

There will be ☐ $\frac{☐}{☐}$ boxes of cubes.

Answers - <u>Fluency</u>

1. $\dfrac{19}{2}$ 2. $\dfrac{23}{4}$ 3. $\dfrac{11}{3}$

4. $\dfrac{7}{2}$ 5. $\dfrac{13}{5}$ 6. $\dfrac{39}{5}$

7. $\dfrac{12}{7}$
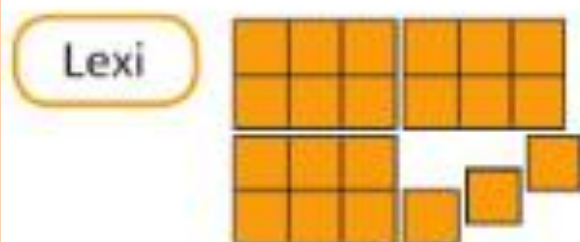
Year 4 Maths
LO: To recognise fractions greater than 1

Reasoning

Lexi and Amelia made rectangles from small squares.

How many rectangles did each person make?

Lexi

Amelia

Lexi made 3 complete rectangles with 3 squares left over.

She made 3 $\frac{3}{6}$ rectangles.

Amelia made 4 complete rectangles with 2 squares left over.

She made 4 $\frac{2}{6}$ rectangles.
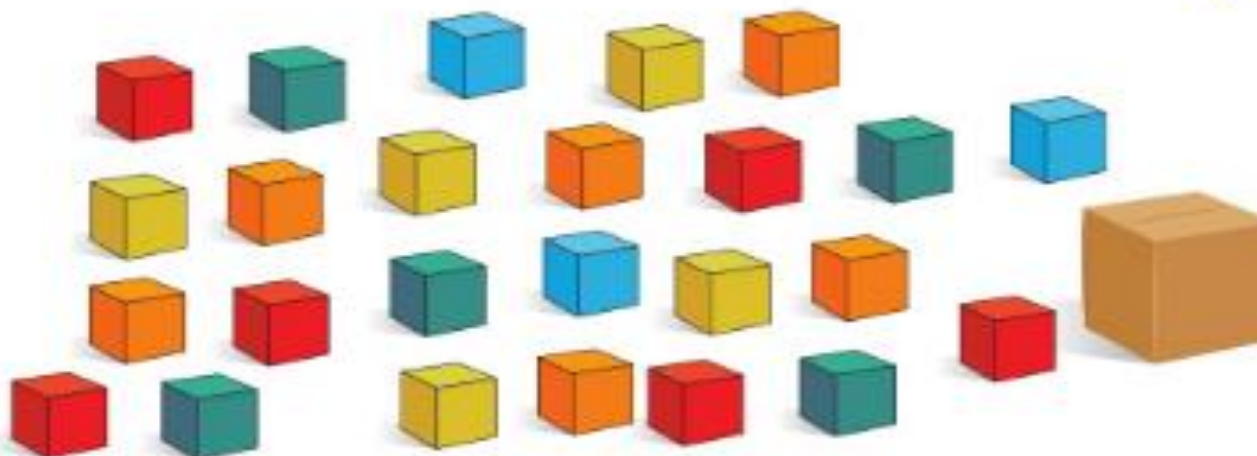
Year 4 Maths
LO: To recognise fractions greater than 1

Problem Solving

Olivia is tidying away some toy cubes.

8 cubes fit into one box.

a) How many boxes can Olivia fill completely? $\boxed{3}$ boxes

b) How many cubes will be left over?

$\boxed{1}$ will be left over.

c) Write the boxes of cubes as a mixed number.

There will be $\boxed{3}\dfrac{\boxed{1}}{\boxed{8}}$ boxes of cubes.