Year 2 Maths   Problem Solving and Reasoning
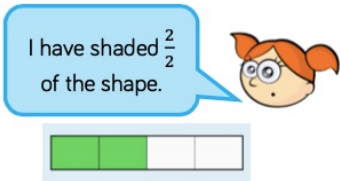
Sort the fractions into the table.

	Fractions equal to one whole	Fractions less than one whole
Unit fractions		
Non-unit fractions		

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

Are there any boxes in the table empty? Why?

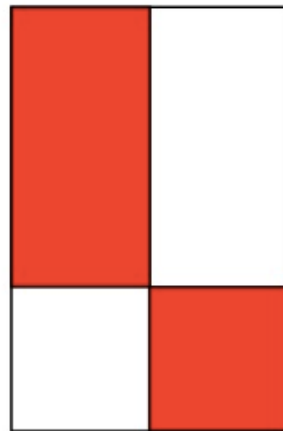Kira says,

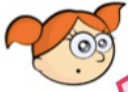I have shaded $\frac{2}{2}$ of the shape.

Explain her mistake.

Sandy says the shaded part of the shape does not show a half because there are four parts, not two equal parts.

Do you agree? Explain why.

Odd One Out

$\frac{1}{2}$ One half

Which is the odd one out?
Explain your answer.

Amy is folding two identical paper strips.

I think $\frac{1}{4}$ of the strip will be bigger than $\frac{1}{2}$ of the strip because 4 is bigger than 2
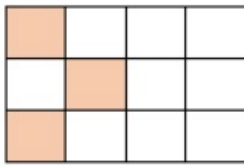
Use paper strips to prove Amy is incorrect.

True or False?

$\frac{1}{4}$ of the shape is shaded.

Explain your answer.

True or False?

This shows $\frac{1}{4}$

Can you shade the same shape to show $\frac{1}{3}$?

Look at 20 toy cars. Is it possible to find $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ of the cars without breaking any of them?

I am thinking of a number.

$\frac{1}{4}$ of my number is 3 less than $\frac{1}{3}$ of my number.

$\frac{1}{3}$ of my number is 12

What is $\frac{1}{2}$ of my number?