Recognise a Quarter

Adult Guidance with Question Prompts

Children begin to recognise quarters of shapes. They should also recognise when a shape has not been split into four equal parts or when more than one quarter has been shaded.

How many equal parts will you make if you split a shape into quarters?

Which of these shapes have been split into quarters?

Are the four parts equal?

Is that important? Why?

If a shape has more/less than four parts, is each part a quarter? Explain your answer.
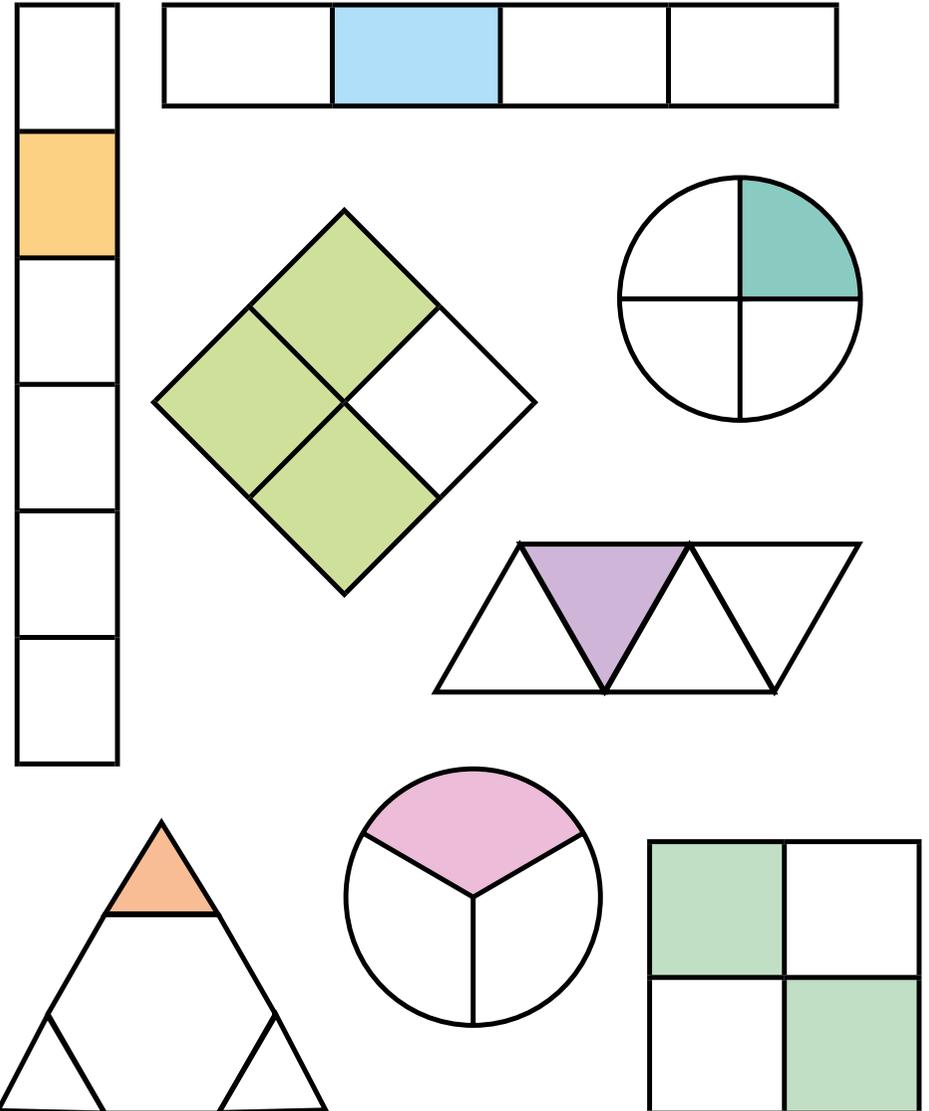
How many quarters make one whole?

Which of these shapes do not have a quarter shaded? Explain how you know.

Can you draw the shape again with a quarter correctly shaded?

Tick the shapes that have $\frac{1}{4}$ shaded.

Recognise a Quarter

Adult Guidance with Question Prompts

Children recognise different ways of making one quarter. They should recognise different parts of the shape that are the same size.

What shape is the whole?

How many ways can you think of to split a square into quarters?

How many parts does the whole shape have?

How many parts are shaded?

How many quarters make one whole?
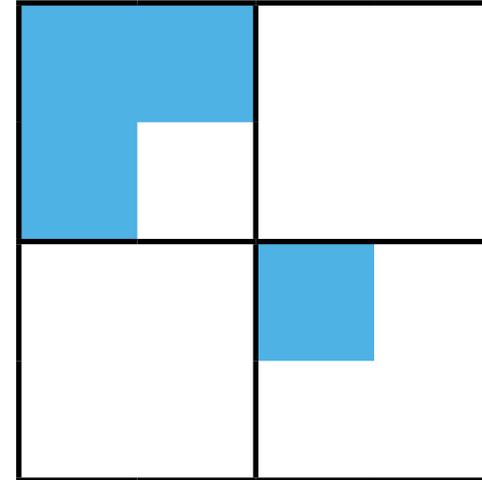
Do you think this shape has one or two quarters shaded?

Why do you think that?

What other way could you shade one quarter of this shape?

twinkl
Quality Standard Approved

Recognise a Quarter

Rosy and Ola are looking at this shape. Part of it is shaded.

I think $\frac{2}{4}$ are shaded.

I think $\frac{1}{4}$ is shaded.

Who do you agree with?

Explain why.

Rosey

Ola

Recognise a Quarter

Adult Guidance with Question Prompts

Children investigate what the whole shape could look like when shown one quarter of the shape. They should understand that all the four quarters will be equal and therefore look the same. They explore drawing different possible whole shapes using four equilateral triangles as quarters. Children may find it helpful to have triangular dotty paper for this activity.

What shape is the part?

What fraction is this part of the whole?

How many quarters make one whole?

Will all the quarters look the same?

What whole shapes can you make with four triangle quarters?
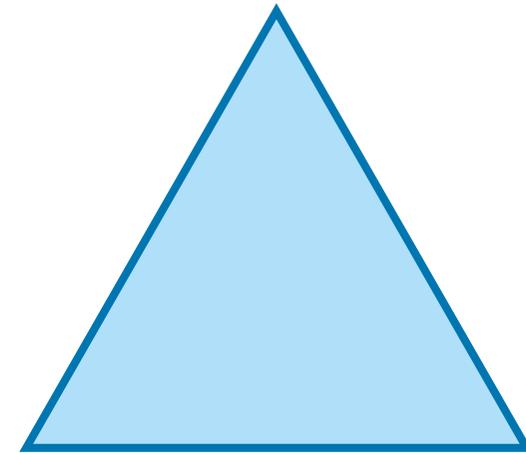
Draw the shapes.

Can you name the whole shapes you have made?

Are they the same as your partner's?

Here is ¼ of a shape.

What could the whole shape look like?

Draw all the possible whole shapes you can think of.