White Rose Maths
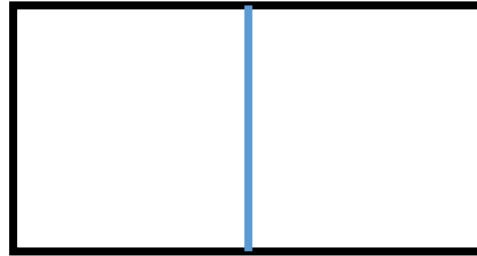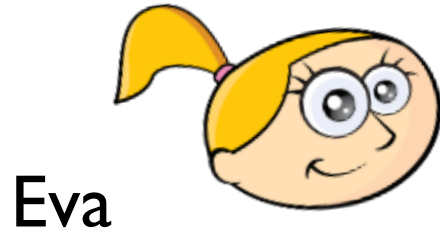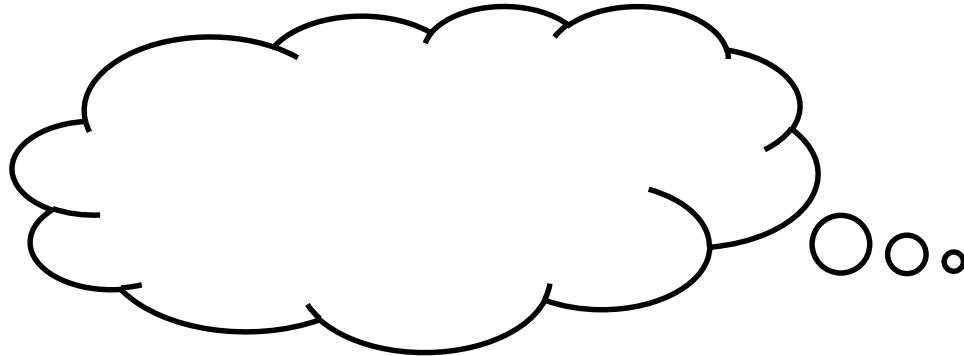
Fractions

Eva and Jack are both attempting to split a rectangle in half.

Eva

Jack thinks he can find three more ways.

Find Jack's three examples.
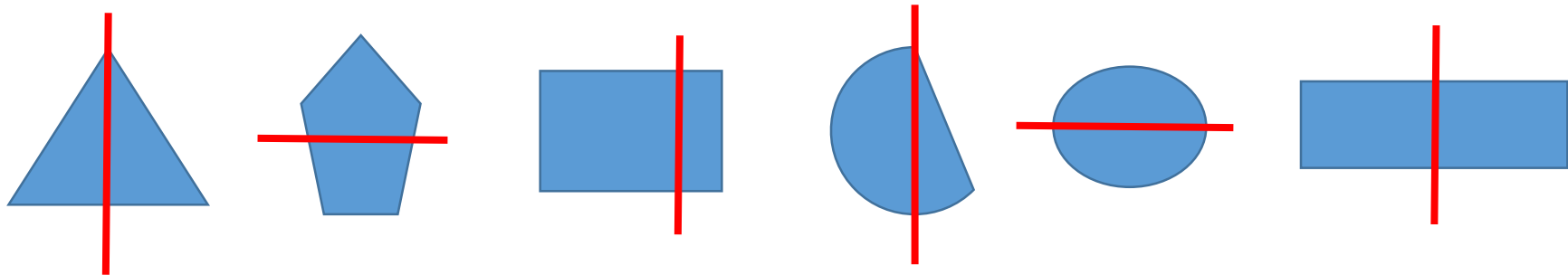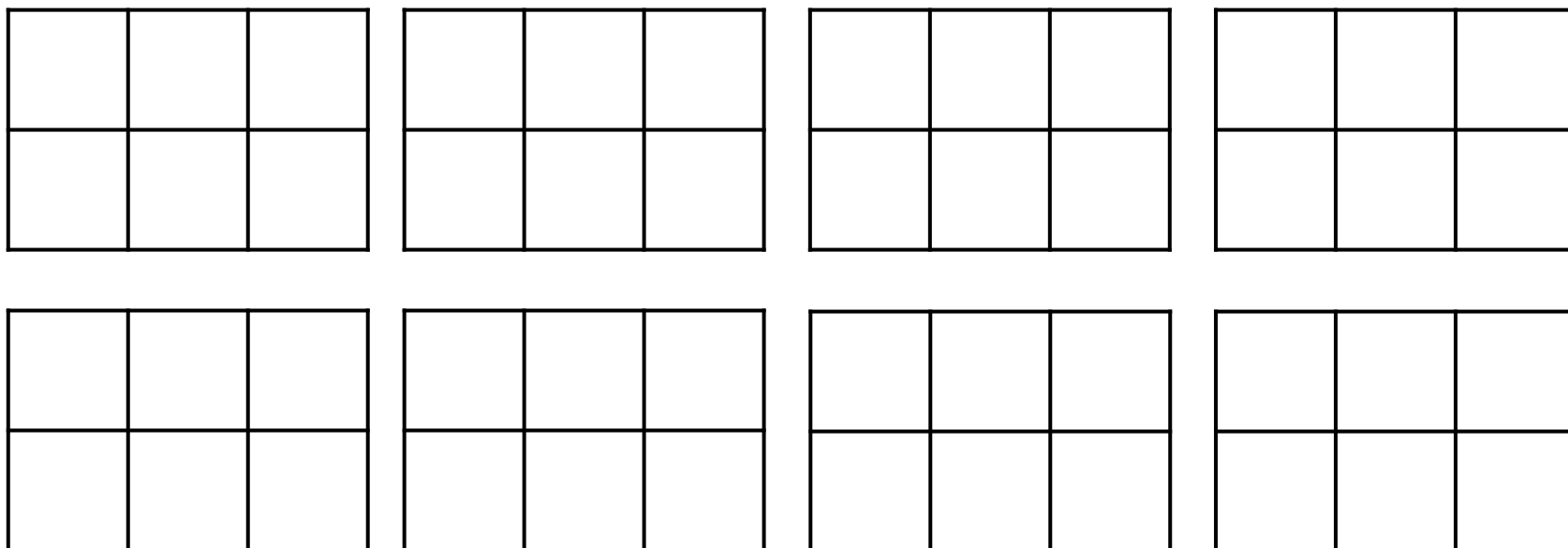
Jack

Sort the shapes into the table.

Shapes that are split in half	Shapes that are not split in half

Can you add any more shapes to the table?

How many different ways can you shade one half of the shapes?

Mo is finding halves.
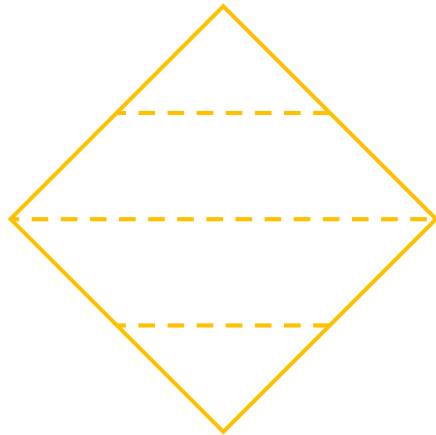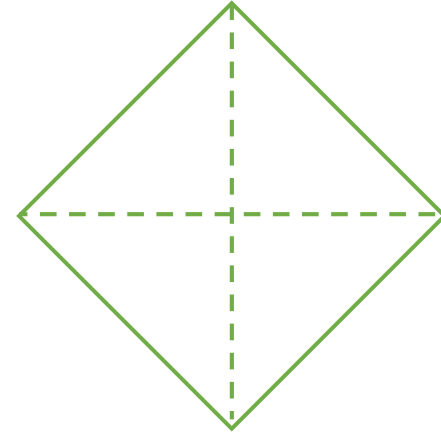
It is hard to find half of an odd number.

Do you agree with Mo?
Explain your answer.

Alex and Jack are talking about quarters.

My shape shows quarters because it has four equal parts.

Alex

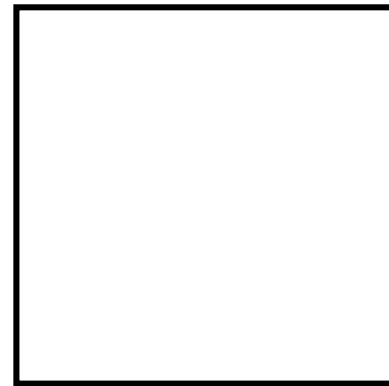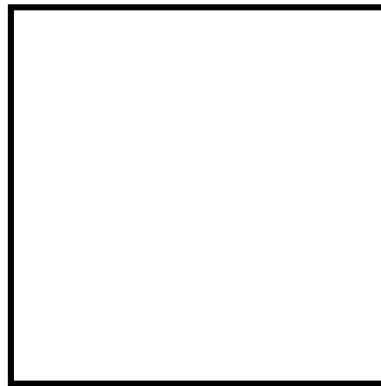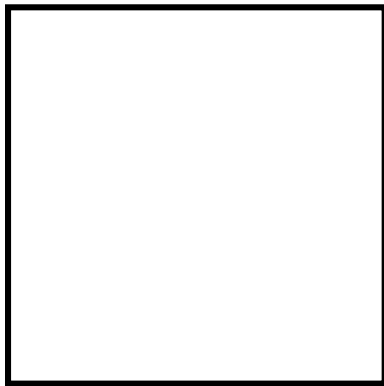My shape shows quarters because it has four parts.

Jack

Are they correct?
Explain your answer.

Use the squares to show:

- Less than a quarter shaded.

- Exactly a quarter shaded.
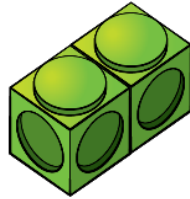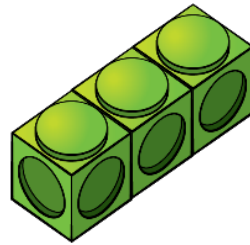
- More than a quarter shaded.

One cube is a quarter, what could the whole look like?

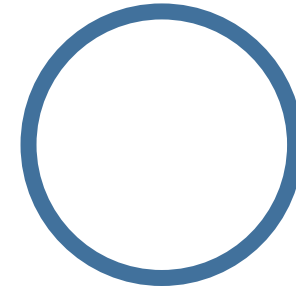Two cubes are a quarter, what could the whole look like?

Three cubes are a quarter, what could the whole look like?

How many different possibilities can you make?

Mr. White has asked his class to put one quarter of the balls into the hoop.

Teddy

I'm going to put one ball in the hoop.

Whitney

I'm going to put three balls in the hoop.

Tommy

I'm going to put four balls into the hoop.

Who is correct? Can you explain any mistakes made?