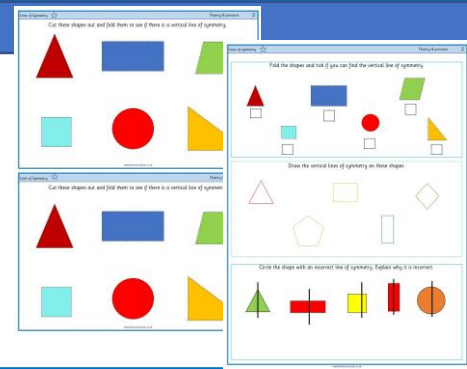


## ★ Geometry – Lines of Symmetry

Children are introduced to the concept of vertical lines of symmetry. They are given the practical activity of folding shapes. They then tick the ones they found had a line of symmetry on their sheet. They draw lines of symmetry on simple shapes.

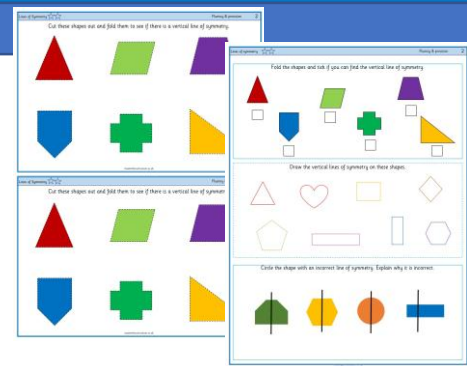
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## ★★ Geometry – Lines of Symmetry

Children are introduced to the concept of vertical lines of symmetry. They are given the practical activity of folding shapes. On this sheet, they have some more adventurous shapes. They then tick the ones they found had a line of symmetry on their sheet. They draw lines of symmetry on a variety of shapes.

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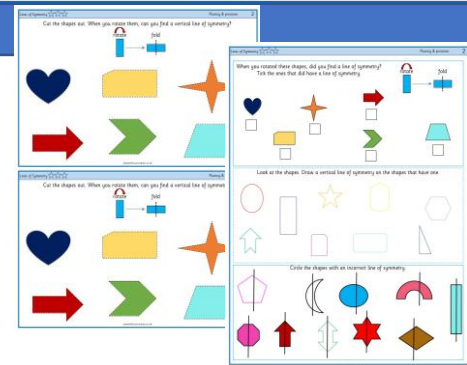


## ★★★ Geometry – Lines of Symmetry

On this sheet, children will cut shapes out but then rotate them before finding a line of symmetry. They then will tick on their sheet if they found a vertical line of symmetry or not.

They are presented with more adventurous shapes to draw lines of symmetry.

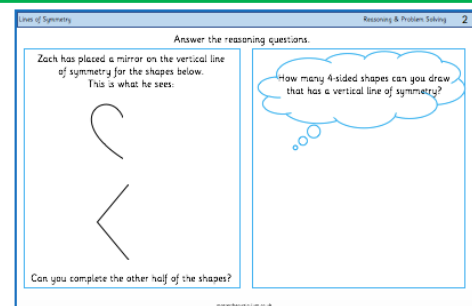
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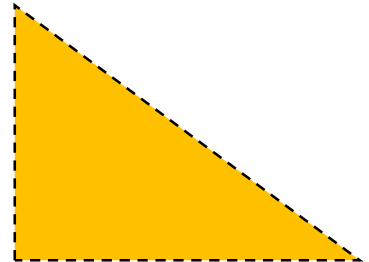
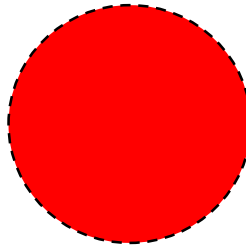
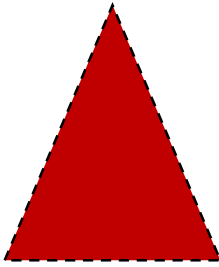
## Reasoning & Problem Solving

### Geometry – Lines of Symmetry

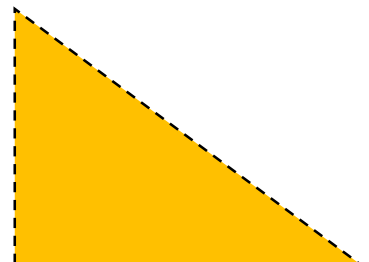
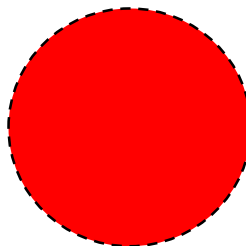
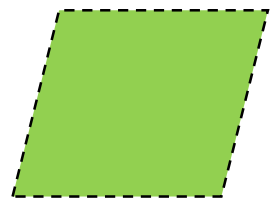
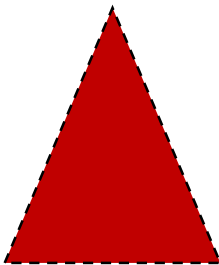
Children continue understanding about symmetry through reasoning questions. They draw the other half of a shape and think about different shapes and whether they will have a line of symmetry or not.



Cut these shapes out and fold them to see if there is a vertical line of symmetry.

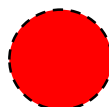


Cut these shapes out and fold them to see if there is a vertical line of symmetry.

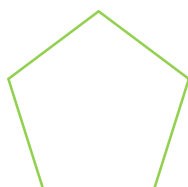
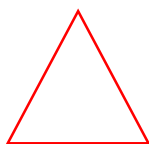




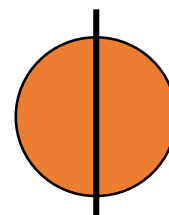
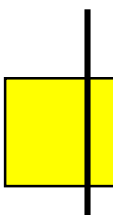
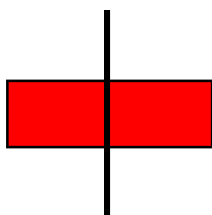
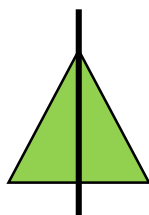
Fold the shapes and tick if you can find the vertical line of symmetry.



Draw the vertical lines of symmetry on these shapes.

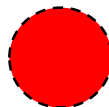


Circle the shape with an incorrect line of symmetry. Explain why it is incorrect.

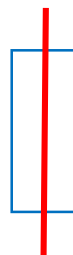
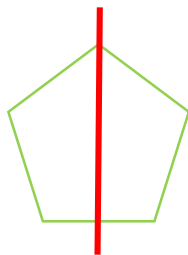
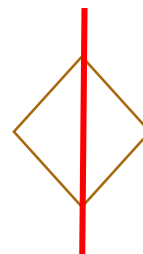
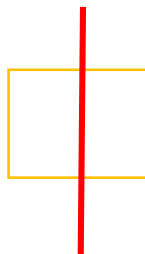
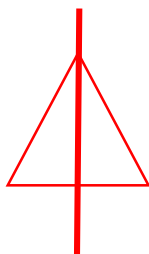




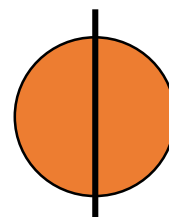
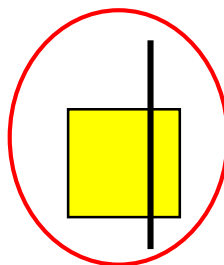
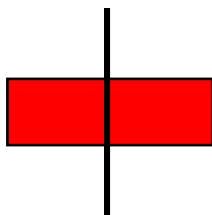
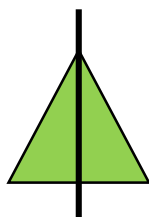
Fold the shapes and tick if you can find the vertical line of symmetry.



Draw the vertical lines of symmetry on these shapes.

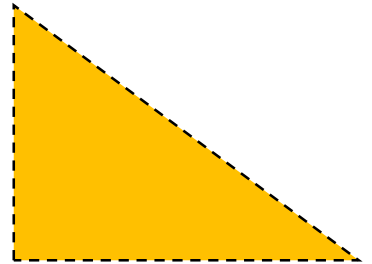
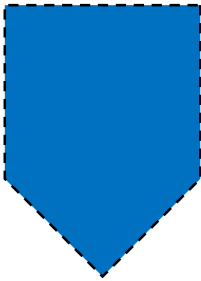
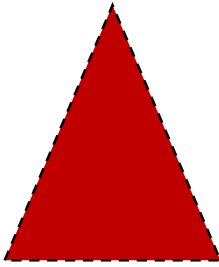


Circle the shape with an incorrect line of symmetry. Explain why it is incorrect.

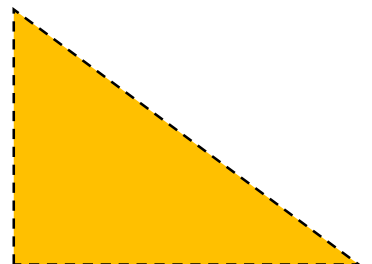
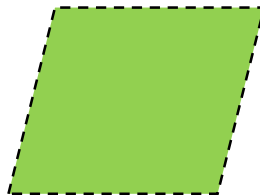
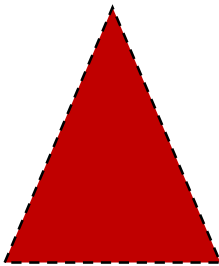


It is not directly in the middle.

Cut these shapes out and fold them to see if there is a vertical line of symmetry.

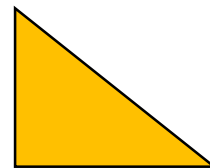
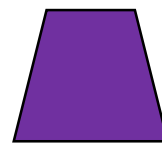
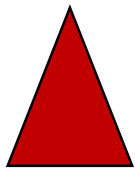


Cut these shapes out and fold them to see if there is a vertical line of symmetry.

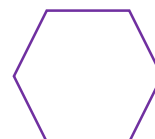
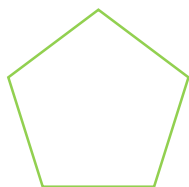
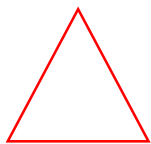




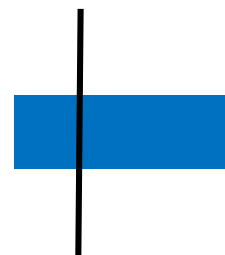
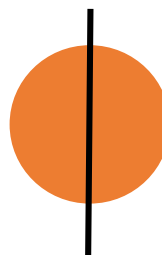
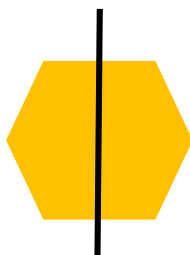
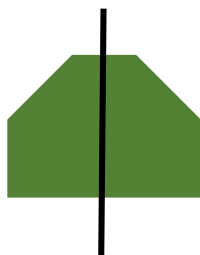
Fold the shapes and tick if you can find the vertical line of symmetry.



Draw the vertical lines of symmetry on these shapes.

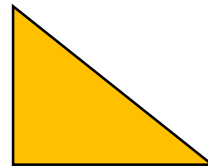
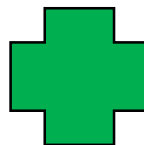
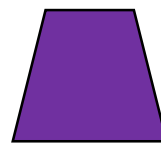
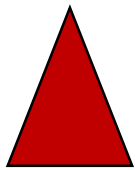


Circle the shape with an incorrect line of symmetry. Explain why it is incorrect.

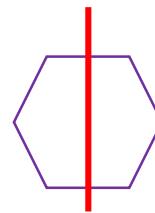
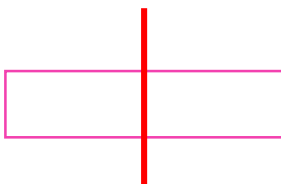
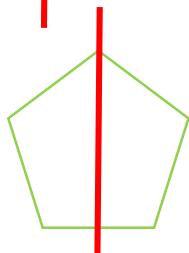
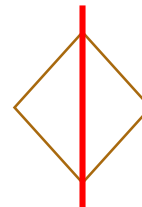
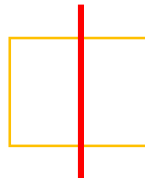
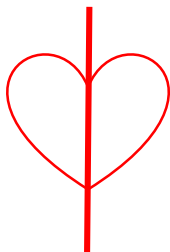
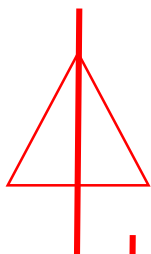




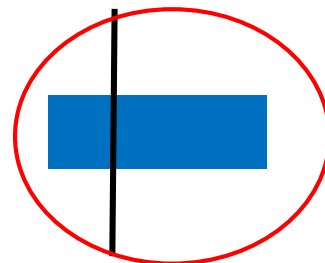
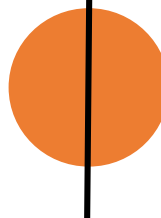
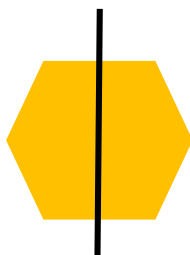
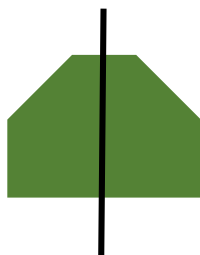
Fold the shapes and tick if you can find the vertical line of symmetry.



Draw the vertical lines of symmetry on these shapes.

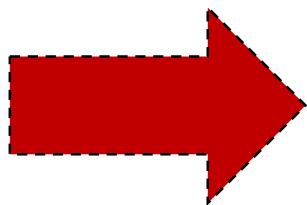
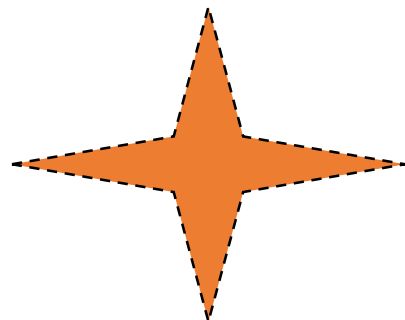
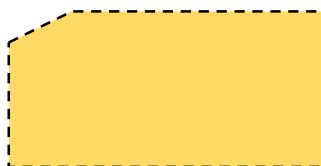
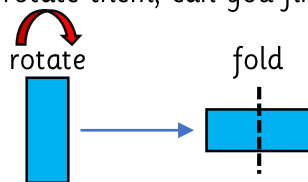


Circle the shape with an incorrect line of symmetry. Explain why it is incorrect.



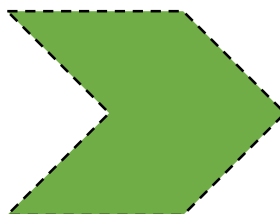
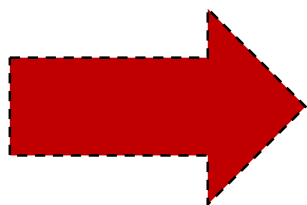
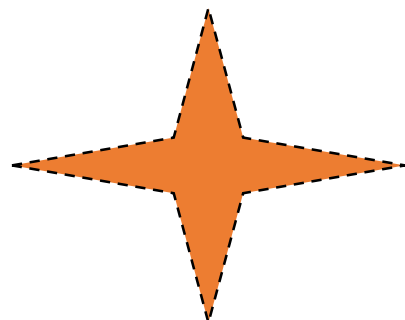
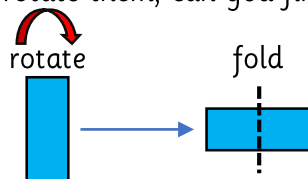
It is not directly in the middle.

Cut the shapes out. When you rotate them, can you find a vertical line of symmetry?



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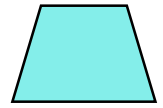
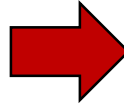
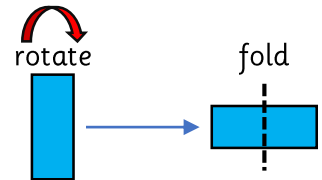
Cut the shapes out. When you rotate them, can you find a vertical line of symmetry?



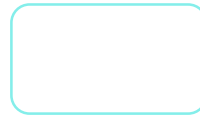
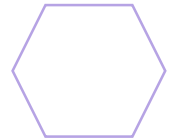
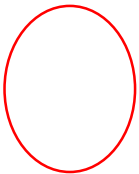
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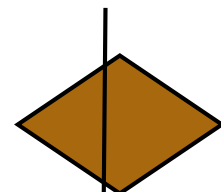
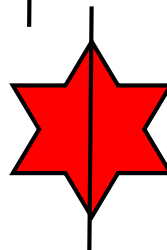
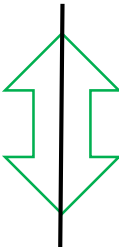
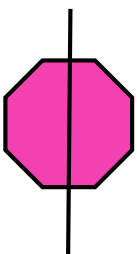
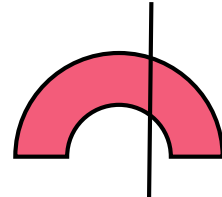
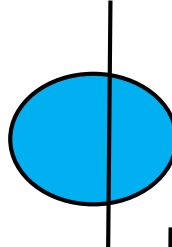
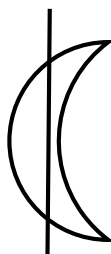
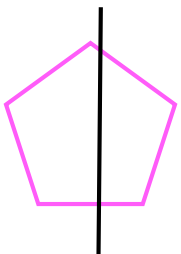
When you rotated these shapes, did you find a line of symmetry?  
Tick the ones that did have a line of symmetry.



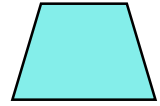
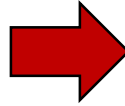
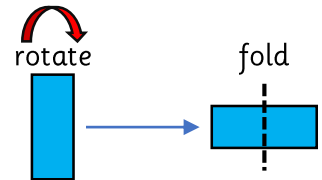
Look at the shapes. Draw a vertical line of symmetry on the shapes that have one.



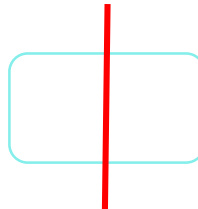
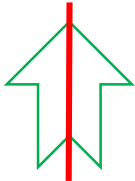
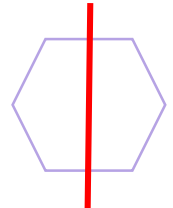
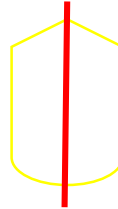
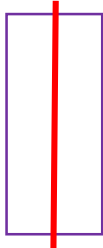
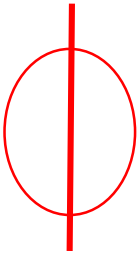
Circle the shapes with an incorrect line of symmetry.



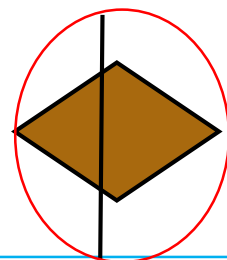
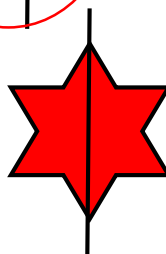
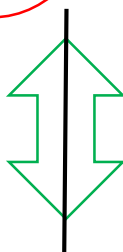
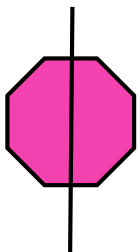
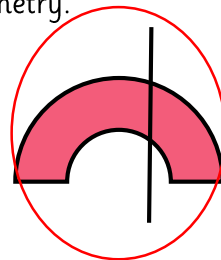
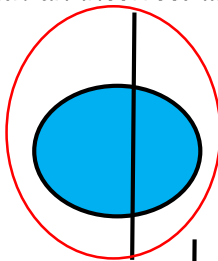
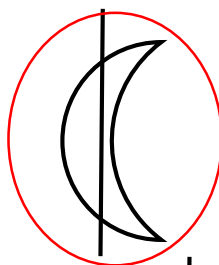
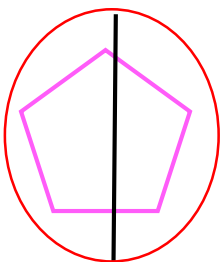
When you rotated these shapes, did you find a line of symmetry?  
Tick the ones that did have a line of symmetry.



Look at the shapes. Draw a vertical line of symmetry on the shapes that have one.



Circle the shapes with an incorrect line of symmetry.



Answer the reasoning questions.

Zach has placed a mirror on the vertical line of symmetry for the shapes below.  
This is what he sees:



Can you complete the other half of the shapes?

How many 4-sided shapes can you draw that has a vertical line of symmetry?

Answer the reasoning questions.

Zach has placed a mirror on the vertical line of symmetry for the shapes below.  
This is what he sees:

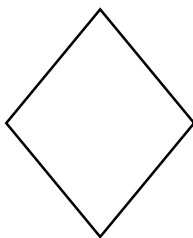
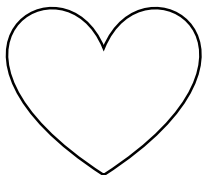


Can you complete the other half of the shapes?

How many 4-sided shapes can you draw that has a vertical line of symmetry?

Answer the reasoning questions.

Zach has placed a mirror on the vertical line of symmetry for the shapes below.  
This is what he sees:



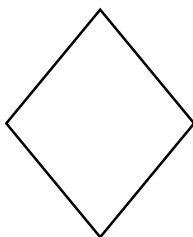
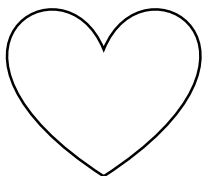
Can you complete the other half of the shapes?

How many 4-sided shapes can you draw that has a vertical line of symmetry?

Square, rectangle, kite

Answer the reasoning questions.

Zach has placed a mirror on the vertical line of symmetry for the shapes below.  
This is what he sees:



Can you complete the other half of the shapes?

How many 4-sided shapes can you draw that has a vertical line of symmetry?

Square, rectangle, kite