

Homework/Extension

Step 5: Lines of Symmetry

National Curriculum Objectives:

Mathematics Year 2: (2G2a) [Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Match together two halves of 4 different symmetrical shapes. Shapes have vertical lines of symmetry. All halves of shapes shown with the same orientation.

Expected Match together two halves of 4 different symmetrical shapes. Shapes have vertical lines of symmetry. Some halves have been rotated.

Greater Depth Match quarters of symmetrical shapes to the whole shape. Shapes have vertical and horizontal lines of symmetry. Some quarters have been rotated.

Questions 2, 5 and 8 (Varied Fluency)

Developing Match symmetrical shapes to their names where half of each shape has been covered. Shapes covered along their vertical lines of symmetry.

Expected Name symmetrical shapes where half of each shape has been covered. Shapes covered along their vertical lines of symmetry. Some shapes rotated.

Greater Depth Name symmetrical shapes where three quarters of each shape has been covered. Shapes covered along their vertical and horizontal lines of symmetry.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Complete a symmetrical shape to match given criteria. Two sides and vertical line of symmetry provided.

Expected Complete a symmetrical shape to match given criteria. One side and vertical line of symmetry provided.

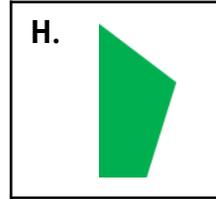
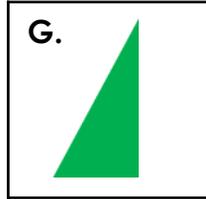
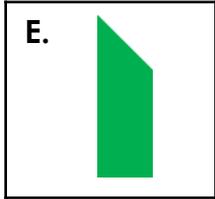
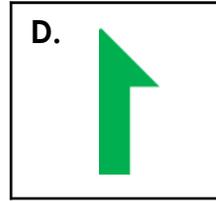
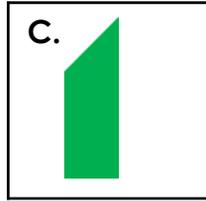
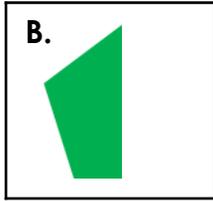
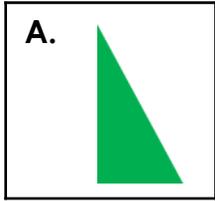
Greater Depth Complete a symmetrical shape to match given criteria. One side and vertical and horizontal lines of symmetry provided.

More [Year 2 Properties of Shape](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

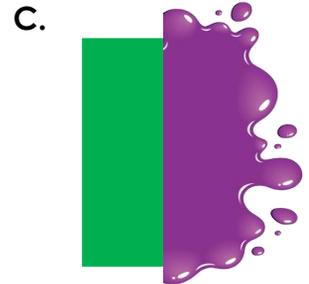
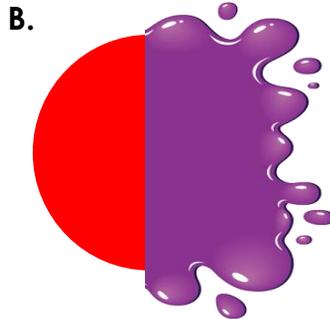
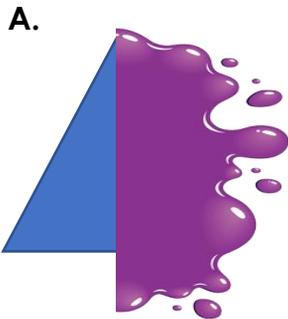
Lines of Symmetry

1. Amelia has cut shapes in half along their vertical lines of symmetry. Match the halves to complete the shape.



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2. Tom has spilled paint on some shapes which all have a vertical line of symmetry. Match the shapes to their names.



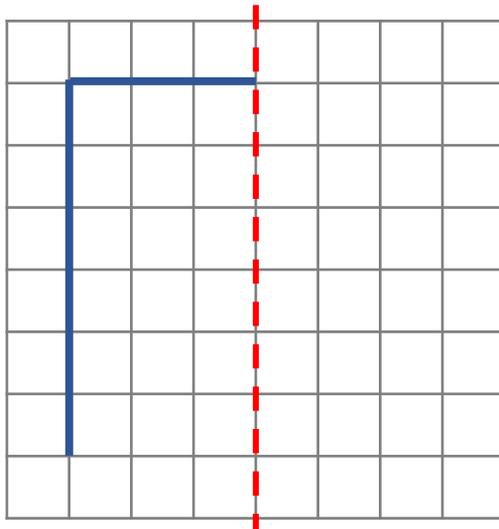
circle

rectangle

triangle

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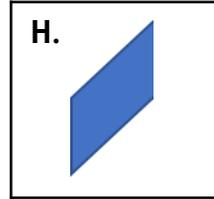
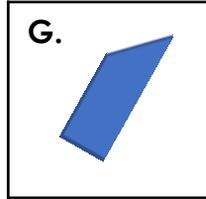
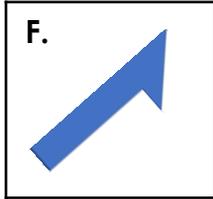
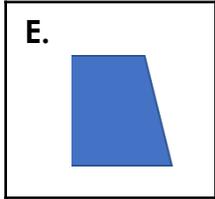
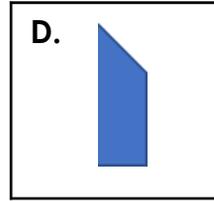
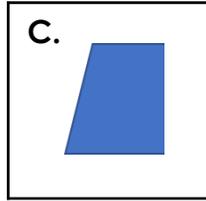
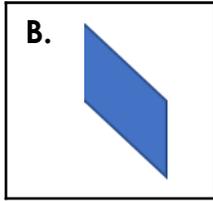
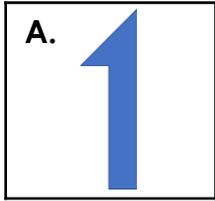
3. Complete the shape below. It must have a vertical line of symmetry and a total of 4 sides.



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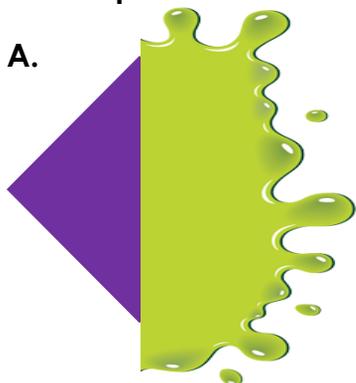
Lines of Symmetry

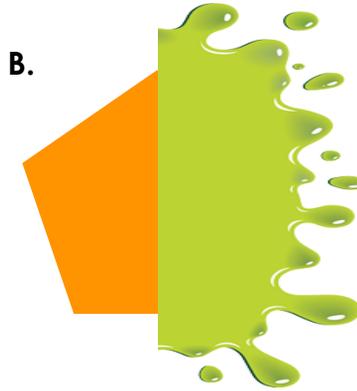
4. Jack has cut shapes in half along their vertical lines of symmetry. Match the halves to complete the shape.

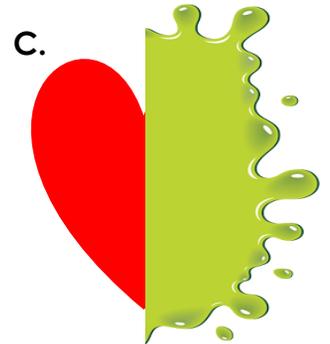


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HW/Ext

5. Billy has spilt paint on some shapes which all have a vertical line of symmetry. Name the shapes.



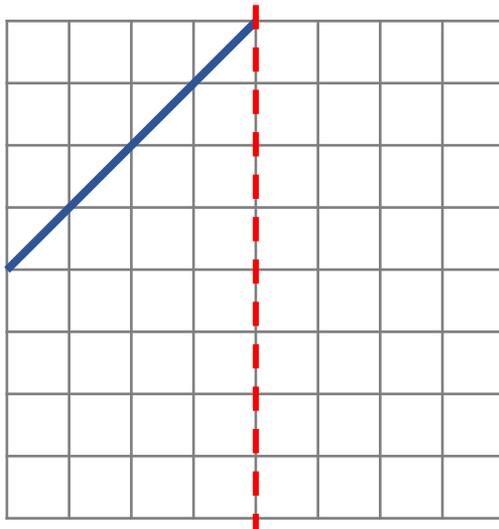






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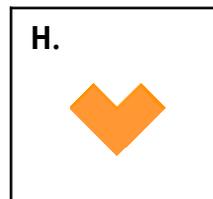
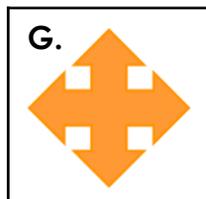
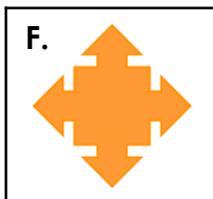
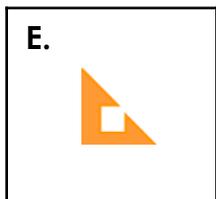
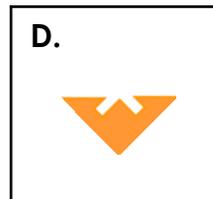
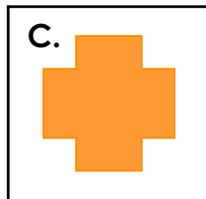
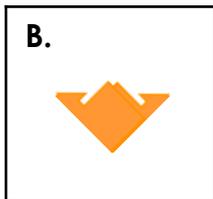
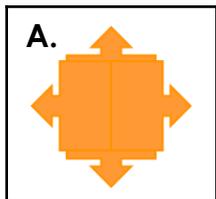
6. Complete the shape below. It must have a vertical line of symmetry and a total of 5 sides.



RPS
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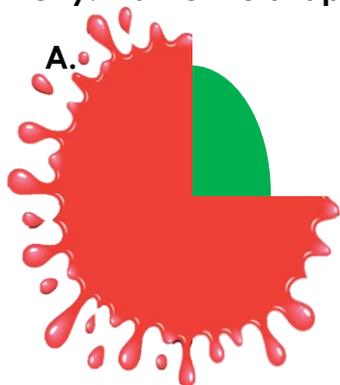
Lines of Symmetry

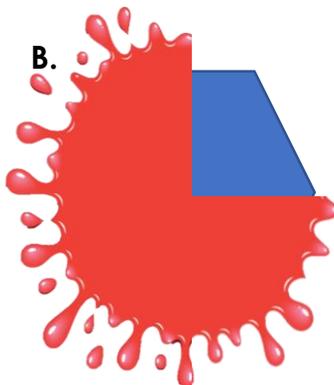
7. Francis has cut shapes along their horizontal and vertical lines of symmetry. Match the parts to their whole.

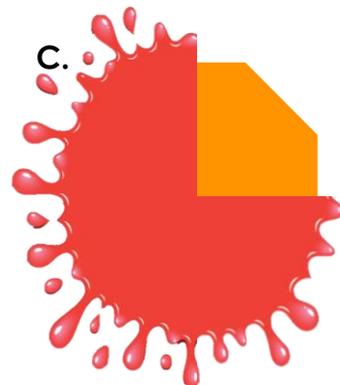


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HW/Ext

8. Jessica has spilt paint on some shapes which all have horizontal and vertical lines of symmetry. Name the shapes.



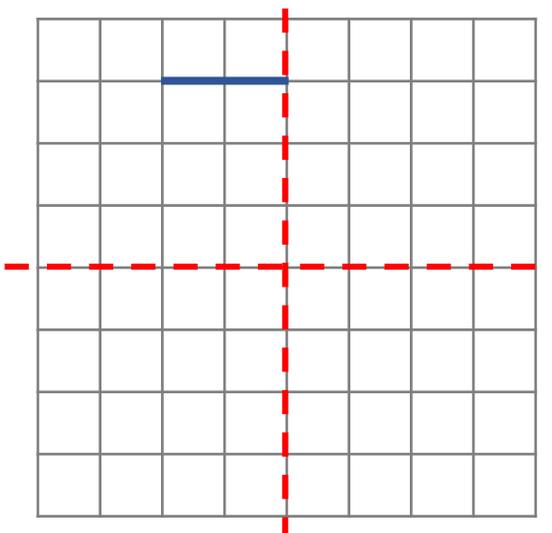






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HW/Ext

9. Complete the shape below. It must have vertical and horizontal lines of symmetry and a total of 6 sides.



RPS
HW/Ext

Homework/Extension

Lines of Symmetry

Developing

1. A and G; B and H; C and E; D and F
2. A = triangle; B = circle; C = rectangle
3. Square drawn with line of symmetry at the centre.

Expected

4. A and F; B and H; C and E; D and G
5. A = square; B = pentagon; C = heart
6. Pentagon drawn with line of symmetry at the centre.

Greater Depth

7. A and B; C and H; D and F; E and G
8. A = oval; B = hexagon; C = octagon
9. Hexagon drawn with lines of symmetry in the centre.