Homework/Extension Step 5: Lines of Symmetry

National Curriculum Objectives:

Mathematics Year 4: (4G2b) Identify lines of symmetry in 2-D shapes presented in different orientations

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Match descriptions to the actual shapes by identifying lines of symmetry using simple regular polygons with up to 2 lines of symmetry. All shapes in 'standard' orientation. Expected Match descriptions to the actual shapes by identifying lines of symmetry using regular polygons with up to 8 lines of symmetry. All shapes in the same 'non-standard' orientation in each question.

Greater Depth Match descriptions to the actual shapes by identifying lines of symmetry using irregular polygons with any number of lines of symmetry. All shapes in unique orientations.

Questions 2, 5 and 8 (Varied Fluency)

Developing Find the odd one out by identifying lines of symmetry using simple regular polygons with up to 2 lines of symmetry. All shapes in 'standard' orientation. Expected Find the odd one out by identifying lines of symmetry using regular polygons with up to 8 lines of symmetry. All shapes in the same 'non standard' orientation in oach

with up to 8 lines of symmetry. All shapes in the same 'non-standard' orientation in each question.

Greater Depth Find the odd one out by identifying lines of symmetry using irregular polygons with any number of lines of symmetry. All shapes in unique orientations.

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

Developing Explain whether the statement is correct using simple regular polygons with up to 2 lines of symmetry. All shapes in 'standard' orientation.

Expected Explain whether the statement is correct using regular polygons with up to 8 lines of symmetry. All shapes in the same 'non-standard' orientation in each question.

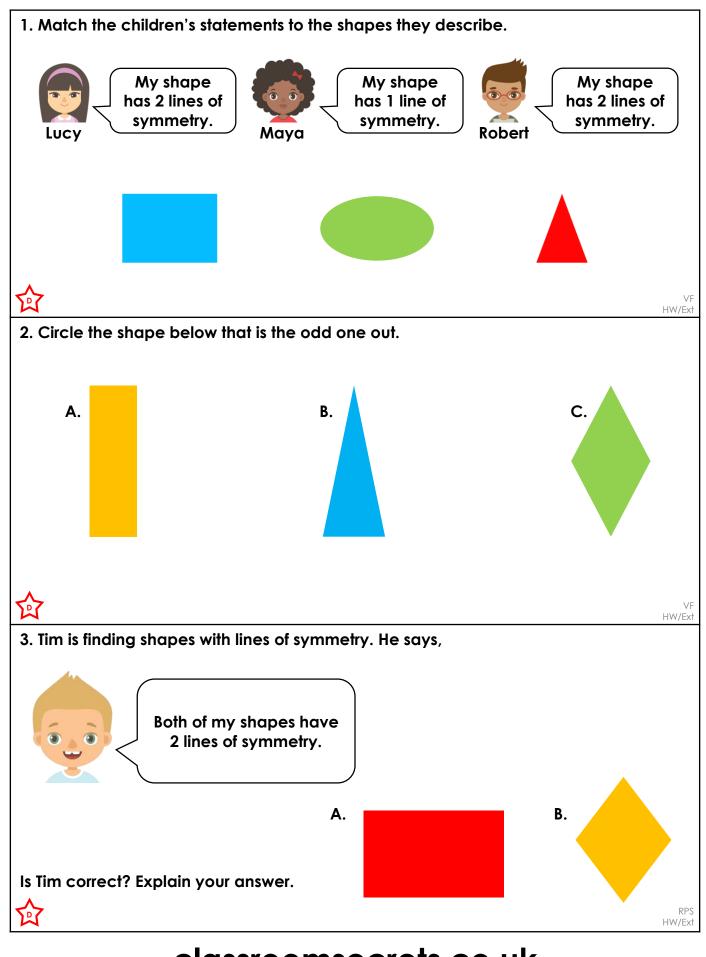
Greater Depth Explain whether the statement is correct using irregular polygons with any number of lines of symmetry and parallel lines. All shapes in unique orientations.

More <u>Year 4 Properties of Shape</u> resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.

Classroom Secrets Limited 2019 Homework/Extension – Lines of Symmetry – Teaching Information

Lines of Symmetry

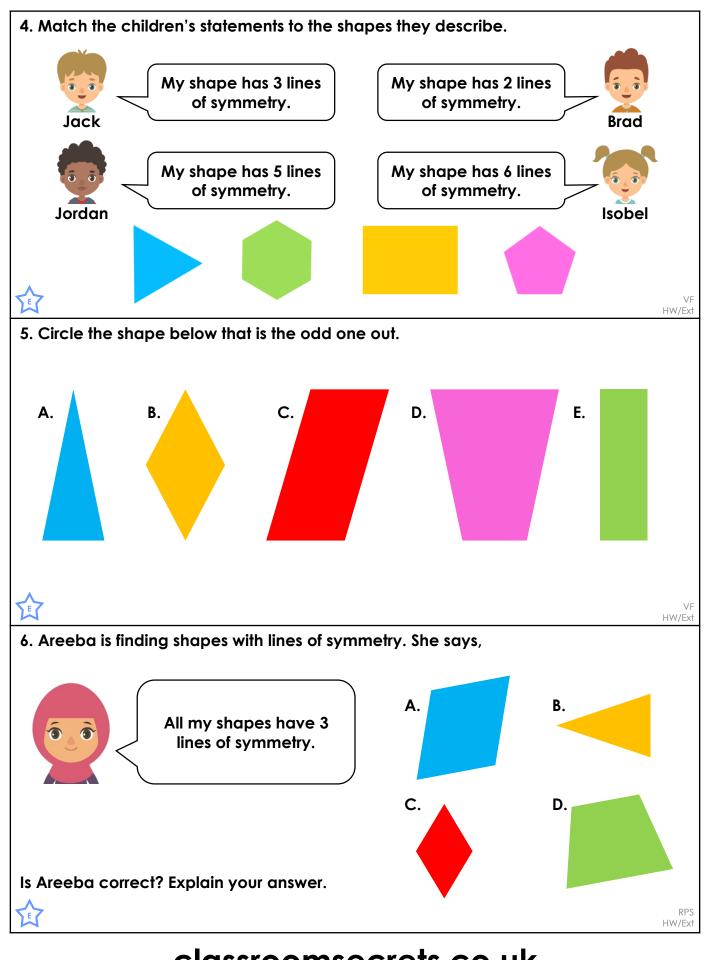


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Lines of Symmetry

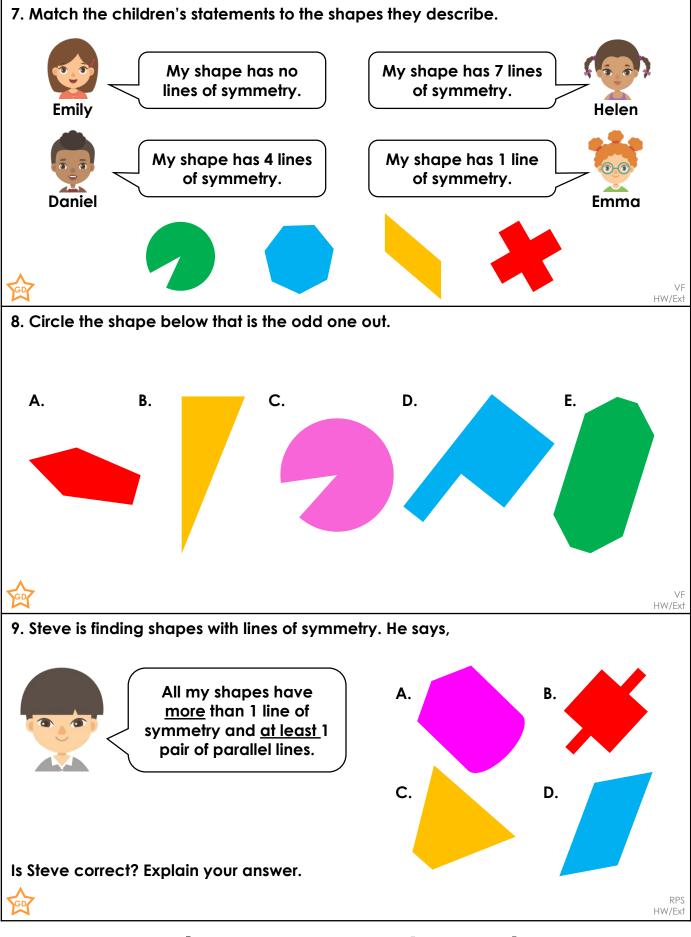


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Lines of Symmetry



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Homework/Extension Lines of Symmetry

Developing

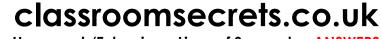
- 1. Lucy oval or rectangle; Maya isosceles triangle; Robert oval or rectangle
- 2. B as it only has 1 line of symmetry.
- 3. He is incorrect because both have a vertical and horizontal line of symmetry.

Expected

- 4. Jack equilateral triangle; Jordan pentagon; Brad rectangle; Isobel hexagon
- 5. C as it is the only shape that has no lines of symmetry.
- 6. She is incorrect because none of the shapes have 3 lines of symmetry.

<u>Greater Depth</u>

- 7. Emily parallelogram; Helen heptagon; Daniel cross; Emma partial circle
- 8. E as it is the only shape with 2 lines of symmetry.
- 9. He is incorrect because the parallelogram has no lines of symmetry.





Homework/Extension – Lines of Symmetry ANSWERS