Reasoning and Problem Solving Step 4: Draw 2D Shapes

National Curriculum Objectives:

Mathematics Year 2: (2G2a) <u>Identify and describe the properties of 2-D shapes, including</u> the number of sides and line symmetry in a vertical line

Differentiation:

Questions 1, 4 and 7 (Problem Solving)

Developing Draw a 2D shape by joining four given points.

Expected Draw a 2D shape from a given point.

Greater Depth Draw a 2D shape using two given points presented in a different orientation.

Questions 2, 5 and 8 (Problem Solving)

Developing Draw a 2D shape within the outline of a given shape.

Expected Draw three of the same 2D shape that meet given criteria.

Greater Depth Draw three different 2D shapes that meet given criteria.

Questions 3, 6 and 9 (Reasoning)

Developing Explain whether a statement about the drawing of a 2D shape is correct or not by joining the dots given to draw the shape.

Expected Explain whether a statement about the drawing of a 2D shape is correct or not by adding extra dots and drawing the shape.

Greater Depth Explain whether a statement about the drawing of a 2D shape is correct or not by adding extra dots and drawing the shape. The shape is presented in a different orientation.

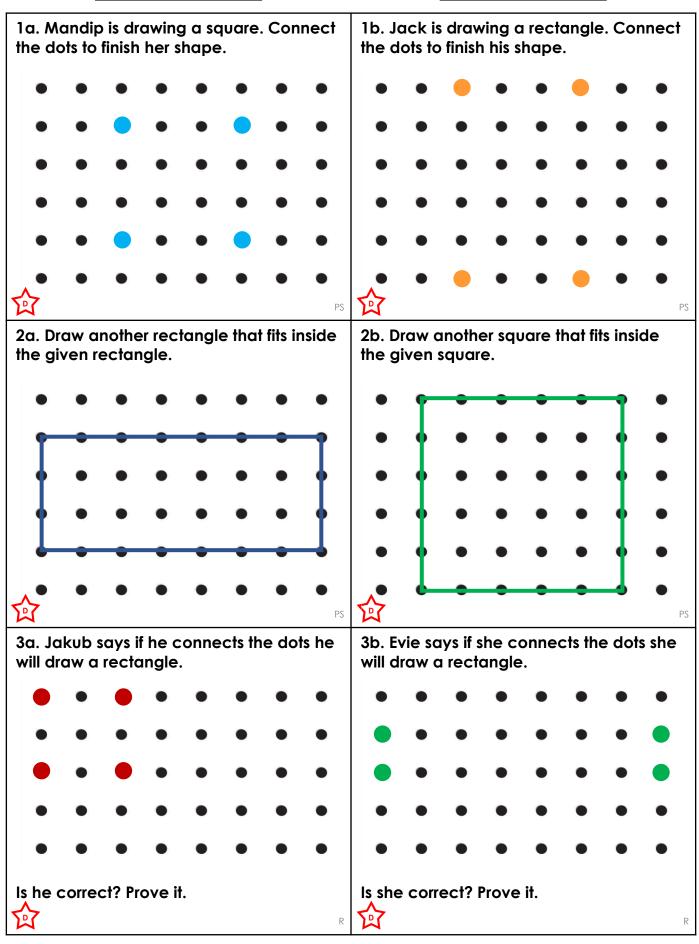
More Year 2 Properties of Shape resources.

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



Draw 2D Shapes

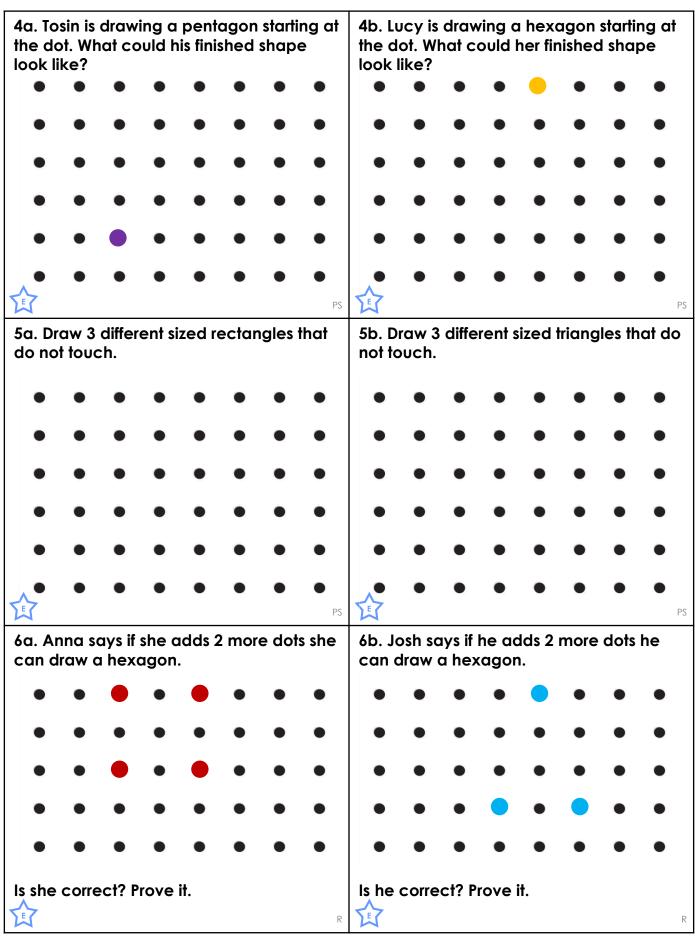
Draw 2D Shapes





Draw 2D Shapes

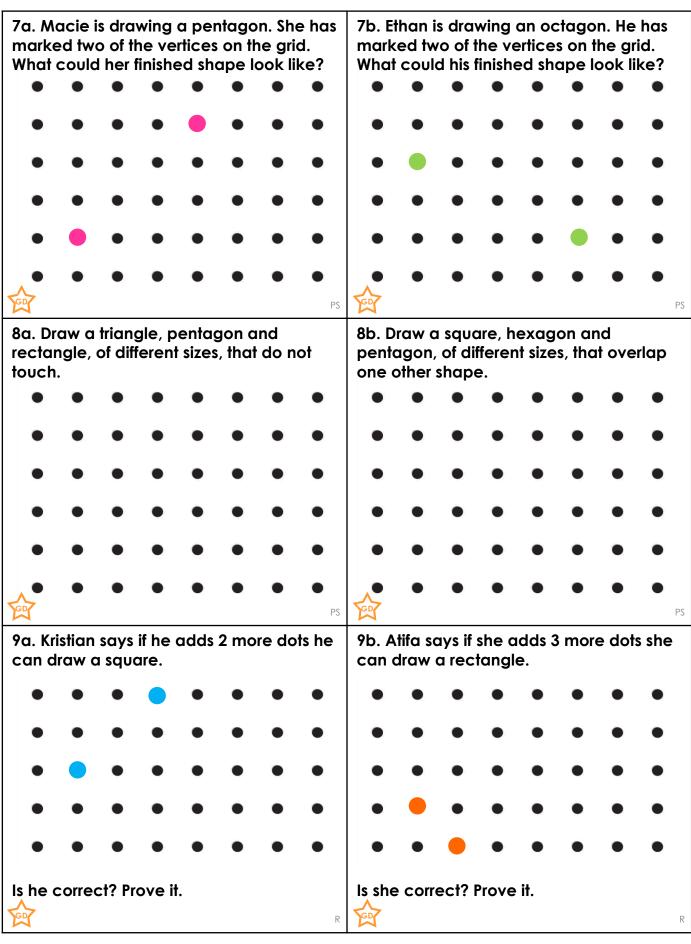
Draw 2D Shapes





Draw 2D Shapes

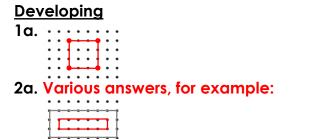
Draw 2D Shapes





Reasoning and Problem Solving Draw 2D Shapes

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3a. Jakub is incorrect. The shape is a square because it has 4 vertices and 4 equal sides.

Expected

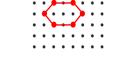
4a. Various answers, for example:



5a. Various answers, for example:



6a. Anna is correct.



Greater Depth

7a. Various answers, for example:



8a. Various answers, for example:



9a. Kristian is correct.



Developing



2b. Various answers, for example:



3b. Evie is correct.



Expected

4b. Various answers, for example:



5b. Various answers, for example:



6b. Josh is incorrect. Various answers, for example: Adding 2 more dots creates a shape with 5 vertices (pentagon).



<u>Greater Depth</u>

7b. Various answers, for example:



8b. Various answers, for example:



9b. Atifa is incorrect. Various answers, for example: Adding 3 more dots would create a shape with 5 vertices (pentagon). A rectangle needs 4 dots (vertices) in



