Homework/Extension
Step 4: Draw 2D Shapes

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 Draw a regular 2D shape on a grid. Visual support provided.
Expected Draw a regular 2D shape on a grid.
Greater Depth Draw two irregular 2D shapes on a grid.

Questions 2, 5 and 8 (Varied Fluency)
Developing Copy the given 2D shape. Starting dots provided.
Expected Draw the given 2D shape in a different orientation. Starting dots provided.
Greater Depth Draw the given 2D shape in a different orientation. No starting dots provided.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Prove if a 2D shape can be created using the given pipe cleaners. Scaffolding provided.
Expected Prove if a 2D shape can be created using the given number of pipe cleaners. pipe cleaners.
Greater Depth Prove if a two 2D shapes can be created using the given number of pipe cleaners.

More Year 2 Properties of Shape resources.

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

Draw 2D Shapes

1. Lou draws two rectangles. Use the dots to draw a different rectangle in grid C.

A.

B.

C.
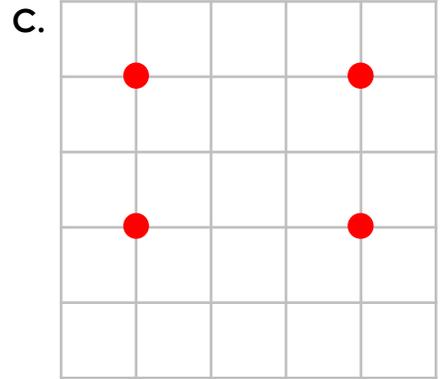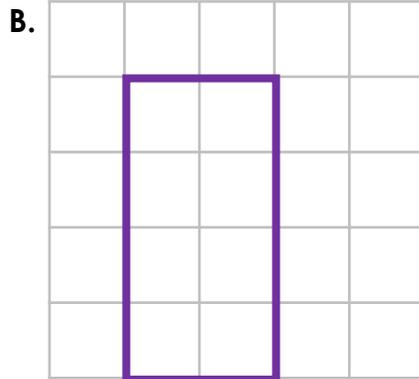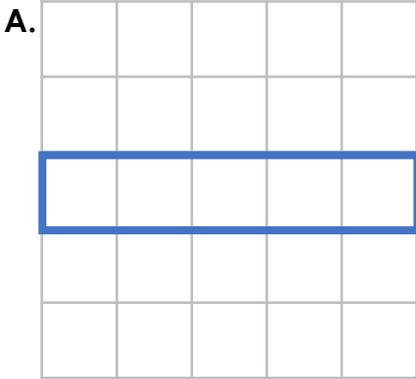
2. Copy the triangle below. Use the dots to start your shape.
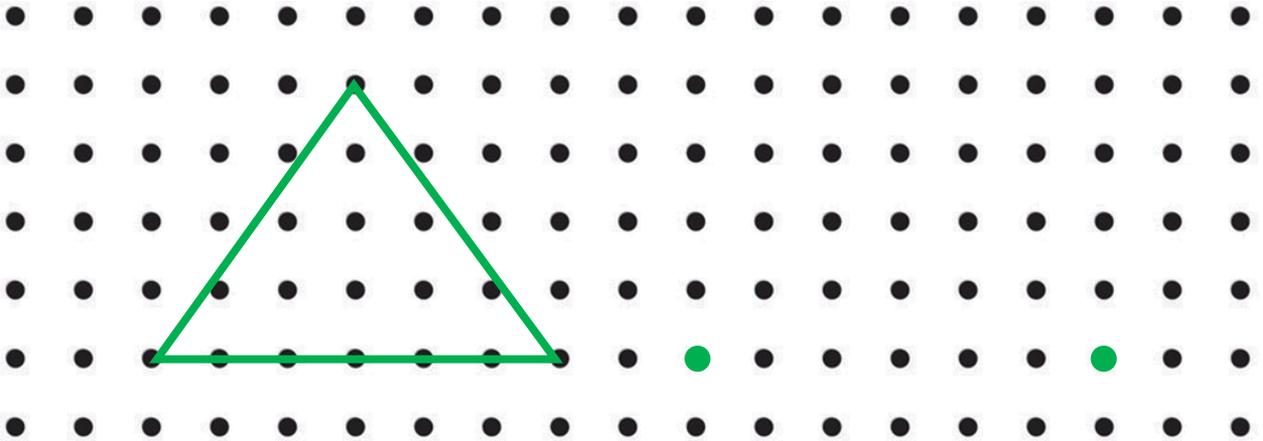
3. Kara thinks that she can make a rectangle using 3 long and 2 short pipe cleaners.
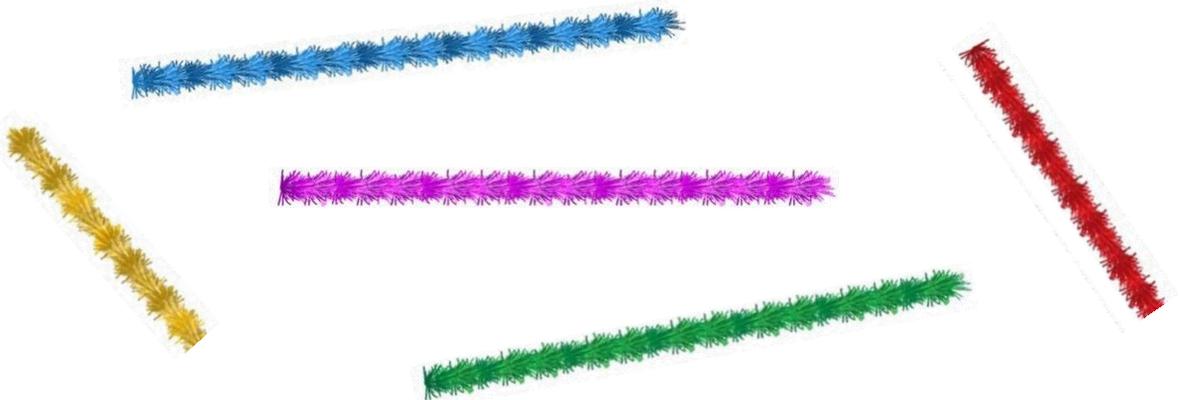
Is she correct? Prove it.

Draw 2D Shapes

4. Ava draws two triangles. Draw a different triangle in grid C.

A.
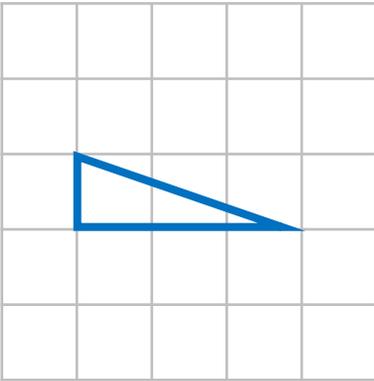
B.
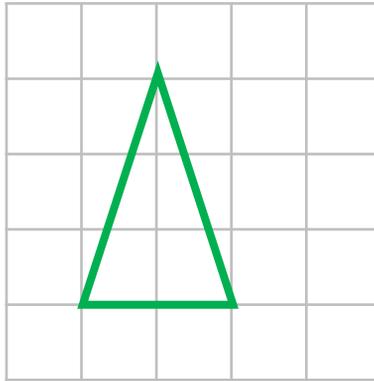
C.
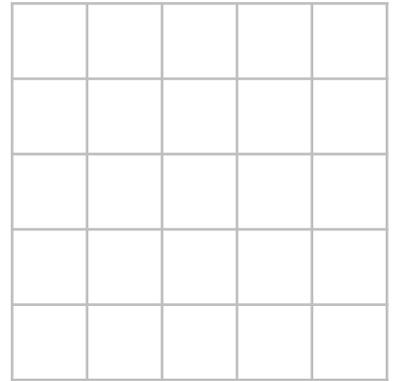
VF
HW/Ext

5. Draw the rectangle below in a different orientation. Use the dots to start your shape.
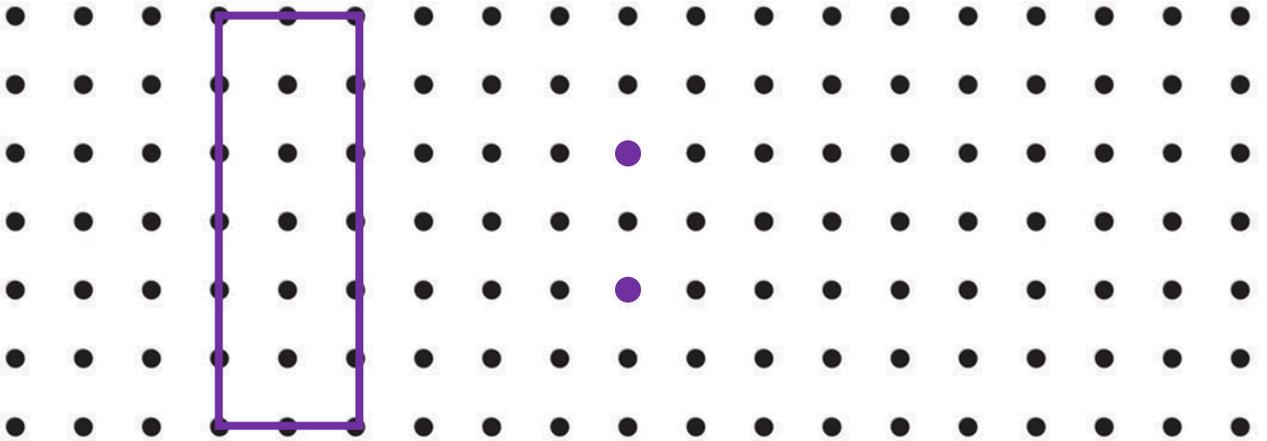
VF
HW/Ext

6. Marvin thinks that he can make a rectangle using 7 pipe cleaners.

Is he correct? Prove it.

RPS
HW/Ext

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Homework/Extension – Draw 2D Shapes – Year 2 Expected
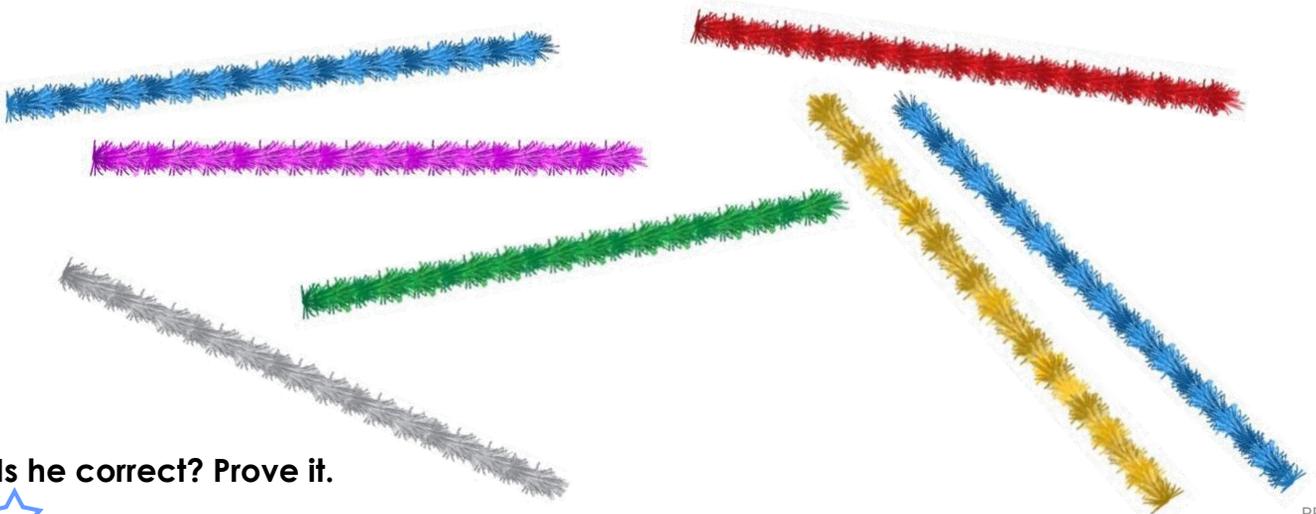
Draw 2D Shapes

7. Josie draws an irregular pentagon in grid A. Draw different irregular pentagons in grid B and C.

A.

B.

C.
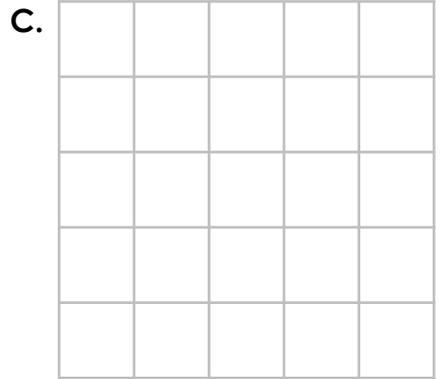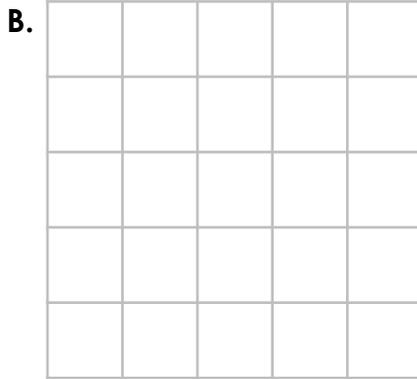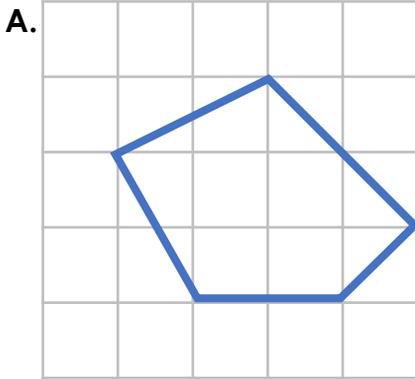
VF
HW/Ext

8. Draw the square below in a different orientation.
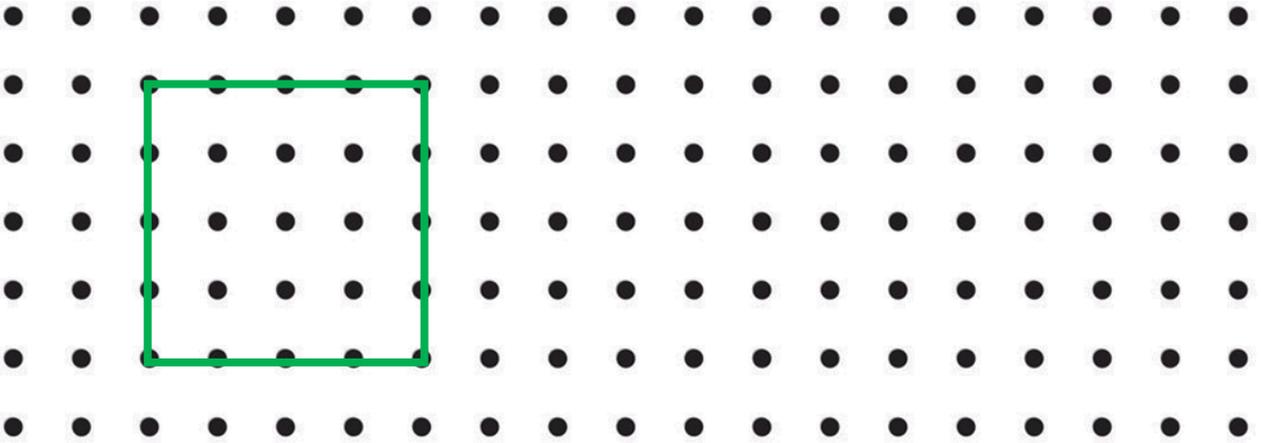
VF
HW/Ext

9. Louis thinks that he can make a square and a pentagon using 6 pipe cleaners.

Is he correct? Prove it.

RPS
HW/Ext

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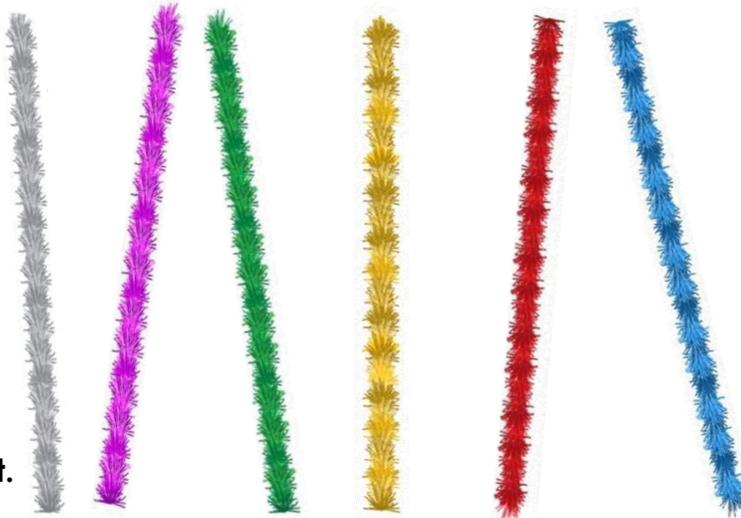
Homework/Extension – Draw 2D Shapes – Year 2 Greater Depth

Developing

1. The four dots should have been connected or any rectangle drawn differently to grid A and B is acceptable.

2.
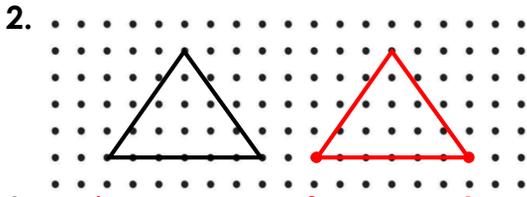
3. Various answers, for example: Kara can not make a rectangle with 3 long and 2 short pipe cleaners because one of the sides will be too long. She can make a rectangle with 2 long and 2 short pipe cleaners.

Expected

**4.** Any triangle drawn differently to grid A and B is acceptable.

5.
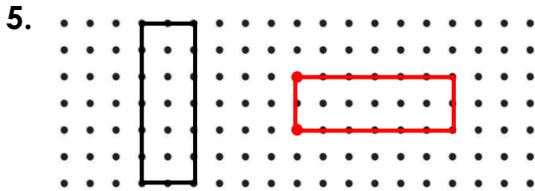
6. Various answers, for example: Marvin can not make a rectangle using 7 pipe cleaners because one of the sides will be too long. He can make a rectangle with 6 pipe cleaners and have 1 left over.


Greater Depth

7. Any pentagons drawn differently to grid A and to each other are acceptable.

8.
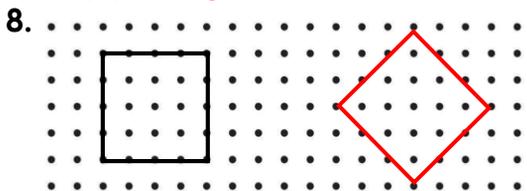
9. Various answers, for example: Louis is correct because he can make a square and a pentagon using 6 pipe cleaners by adding 2 pipe cleaners to his square.

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