Get in Shape

Activity: Students are shown 9 dots. How many different 2D shapes can students make by joining some or all of the dots? What are the names and properties of the shapes that they make? (Students could draw their own 9 dots on scrap paper or whiteboards._

To support:

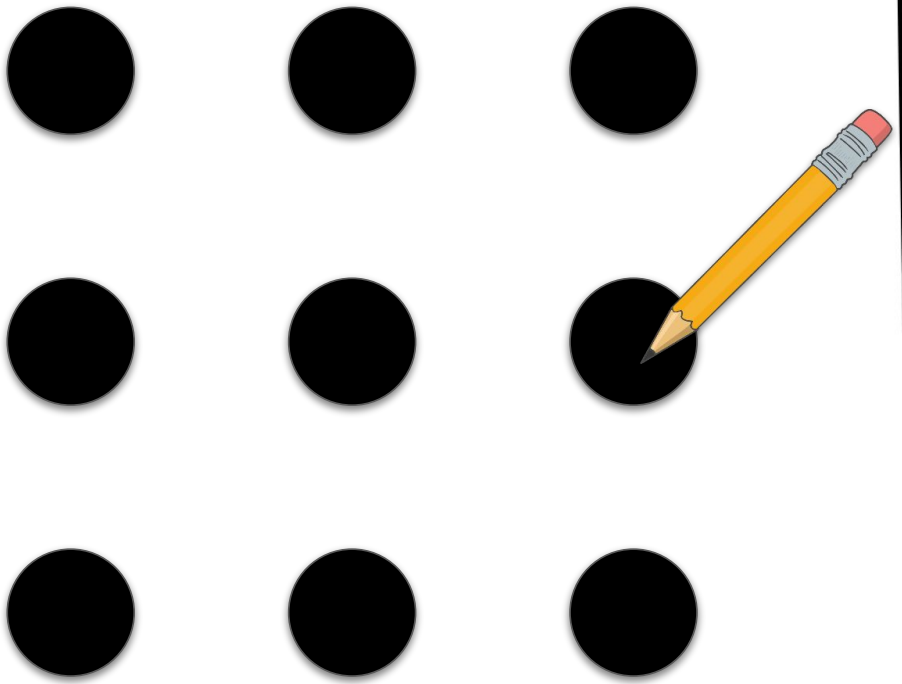
- ➔ Model making a 2D shape as a class.
- ➔ Ask guiding questions once students have created a shape:
  - ◆ What do you notice about your shape?
  - ◆ How many sides does it have?
  - ◆ How many angles does it have?

To challenge:

- ➔ Students could:
  - ◆ make at least 6 different 2D shapes.
  - ◆ identify all of their shapes' properties including lines of symmetry and types of angles.
  - ◆ try to make more than one type of triangle.
  - ◆ try to make more than one type of quadrilateral.

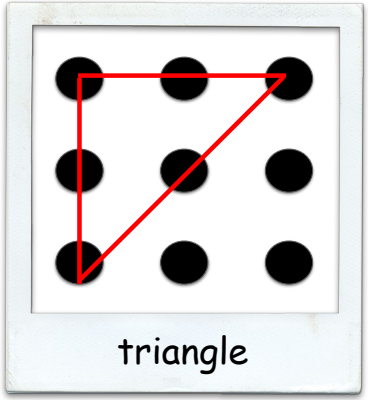
Get in Shape

How many different 2D shapes can you make by joining some or all of the dots? What are the names and properties of your shapes?

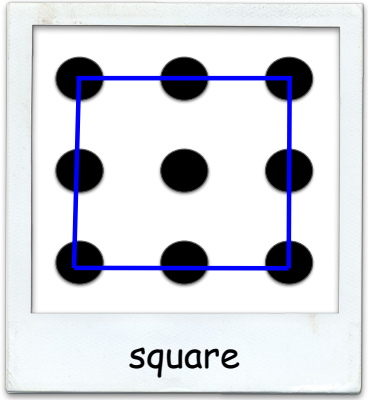


Possible Solutions

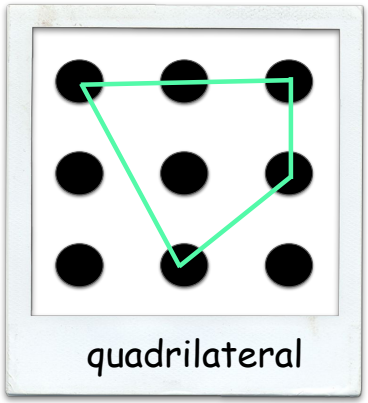
Here are some ideas I came up with. What can you tell me about my shapes?



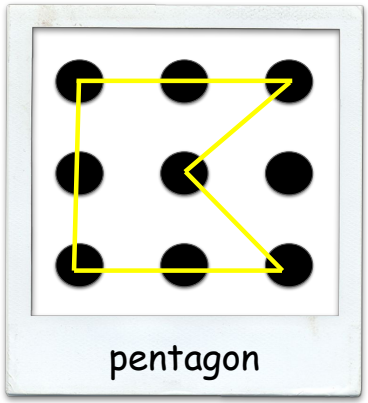
triangle



square



quadrilateral



pentagon