

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Investigating regular polygons

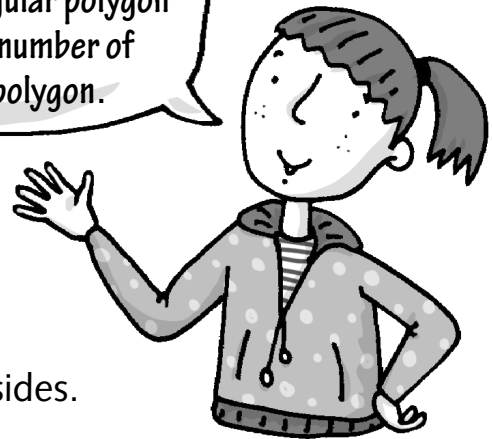
Decide if a polygon is regular or irregular by comparing lengths and angles

You will need:

- scissors

Is Sarah's statement true or false? Investigate.

The number of lines of symmetry in a regular polygon is equal to the number of sides of the polygon.



- 1 Cut out the six shapes below.
- 2 Find all the lines of symmetry by folding.
- 3 Complete the table.
- 4 Predict the number of lines of symmetry for a regular polygon of 9 sides and of 10 sides.

Number of equal sides	3	4	5	6	7	8	9	10
Number of lines of symmetry								

