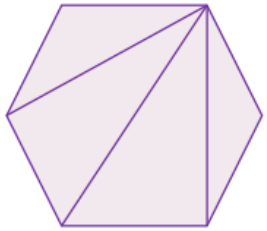
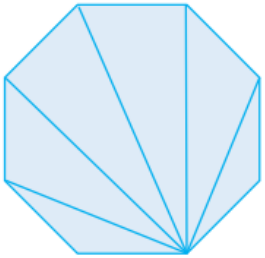
1

5a. This hexagon is split into 4 triangles. Think about the sum of the angles in each triangle. Use this to help you work out the sum of the interior angles in the hexagon.



VF

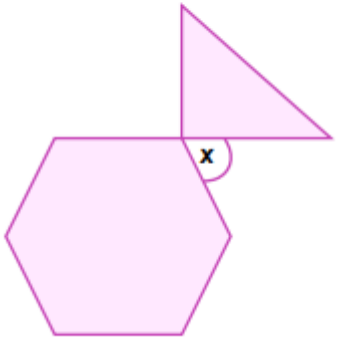
5b. This octagon is split into 6 triangles. Think about the sum of the angles in each triangle. Use this to help you work out the sum of the interior angles in the octagon.



VF

2

8a. Use your understanding of interior angles of a polygon and angles at a point to help you calculate the size of angle x.



3

4a. The sum of the angles in a pentagon is equal to the sum of the angles in 5 triangles, which is 900°.

I think this is true because a pentagon has 5 sides and 5 angles so it must have 5 triangles.

Kyle

Is Kyle correct? Explain your answer.

PS

4

5b. What would the total sum of the interior angles be for the 5 polygons you can see?