

## Properties of polygons

1)

Describe this polygon

It has \_\_\_\_\_ sides.

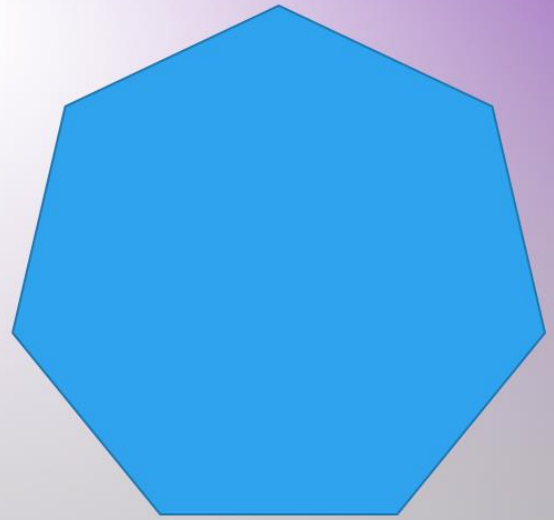
It has \_\_\_\_\_ vertices.

It has \_\_\_\_\_ angles.

It has \_\_\_\_\_ right angles.

It has \_\_\_\_\_ obtuse angles.

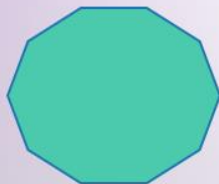
It has \_\_\_\_\_ acute angles.



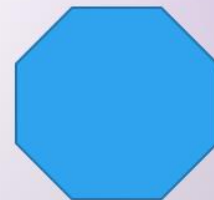
What is the name of this polygon?

2)

Will has been ordering polygons in descending order of number of angles. He has used both diagrams and words to order the polygons below.



Hexagon



His friend Elsie however thinks that Will has made one mistake.  
Do you agree with Elsie? Explain your answer.

3)



Here are two shapes, named A and B. In the table below, put a tick or a cross in each box to show whether the statement (property) for each shape is correct or incorrect.

Statement (property)	Shape A	Shape B
I am a polygon.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
I have an even number of sides.	<input type="checkbox"/>	<input type="checkbox"/>
I have 6 vertices.	<input type="checkbox"/>	<input type="checkbox"/>
I have only obtuse angles.	<input type="checkbox"/>	<input type="checkbox"/>
I have parallel lines.	<input type="checkbox"/>	<input type="checkbox"/>
I am irregular.	<input type="checkbox"/>	<input type="checkbox"/>
I am an undecagon.	<input type="checkbox"/>	<input type="checkbox"/>