



## Learning Reminders

Describe properties of polygons.



What makes a shape a polygon?

**A polygon is a straight-sided, closed, 2-D shape.**



Which one is NOT a polygon?

## Learning Reminders

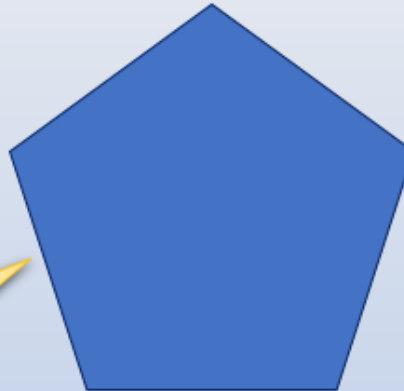
Describe properties of polygons.



This polygon has 3 **acute** angles.



This polygon has 1 **obtuse** angle. Can you spot which one?



This is a **regular** polygon. All 5 sides and angles are equal.

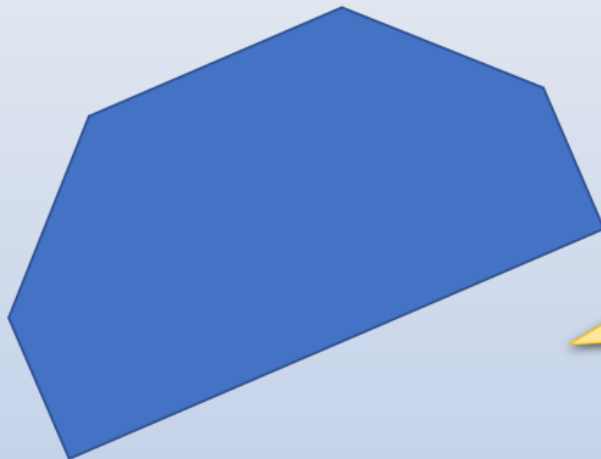
The 2 triangles are **irregular**. Can you see why?

## Learning Reminders

Describe properties of polygons.



This shape has one a pair of **parallel sides**, if they were extended they would never meet (like railway tracks) can you see which ones?








This shape has some **perpendicular sides**. This is where 2 of the sides meet at right angles, can you see where that is?

## Practice Sheet Mild

### Properties of polygons

Complete this table by writing a tick in each box that is 'true'.

	Square 	Equilateral triangle 	Irregular pentagon 	Regular hexagon 	Regular pentagon 
All sides the same length					
One pair of parallel sides					
More than 1 pair of parallel sides					
5 sides					
More than 4 sides					
Less than 5 vertices					

Was there a column that was difficult to complete? Why?







#### Challenge

Draw a polygon with three sets of parallel sides... And another, with two right angles... And another, with 7 sides.

## Practice Sheet Hot

### Properties of polygons

Complete this table by writing a tick in each box that is 'true'.

	square 	equilateral triangle 	irregular pentagon 	regular hexagon 	regular pentagon 	octagon 
all sides the same length						
one pair of parallel sides						
more than 1 pair of parallel sides						
5 sides						
more than 4 sides						
less than 5 vertices						
no perpendicular sides						

Was there a column that was difficult to complete? Why?

#### Challenge

- Sometimes, Always or Never? A polygon with parallel sides also has perpendicular sides.
- Draw a polygon with three sets of parallel sides... And another, with two right angles... And another, with 7 sides.