

Year 5      Block 10      Unit: Shape

**Key Vocabulary:**

angle	right angle	acute	obtuse	reflex	protractor
horizontal	vertical	regular	irregular	vertex	edge

**What will I know by the end of this unit?**

**Understand and use degrees:**

An angle is a measure of the amount of turn between two lines.

**Classify angles:**

Any angle that measures less than  $90^\circ$  is called an acute angle.

Any angle that measures greater than  $90^\circ$  and less than  $180^\circ$  is called an obtuse angle.

Any angle that measures greater than  $180^\circ$  is called a reflex angle.

**Estimate angles:**

Draw an angle that is approximately  $170^\circ$

$180^\circ$

Draw an angle that is approximately  $70^\circ$

**Measure angles up to  $180^\circ$ :**

**Draw lines and angles accurately:**

To measure angles, we use a protractor. Look carefully at how the numbers on the scale count from  $0^\circ$  to  $180^\circ$  in both directions.

**Calculate angles around a point:**

**Lengths and angles in shapes:**

Here is a rectangle.

What is the size of angle  $x$ ?  $35^\circ$

$90^\circ - 55^\circ = 35^\circ$

**Regular and irregular polygons:**

A polygon is any two-dimensional shape formed with straight lines.

In a regular polygon, all the sides and angles are equal.

In an irregular polygon, the sides and angles are not equal.

Regular	Irregular

**3-D shapes:**

Mo is counting the faces, edges and vertices of this shape.

A triangular prism has 5 faces, 9 edges and 6 vertices.