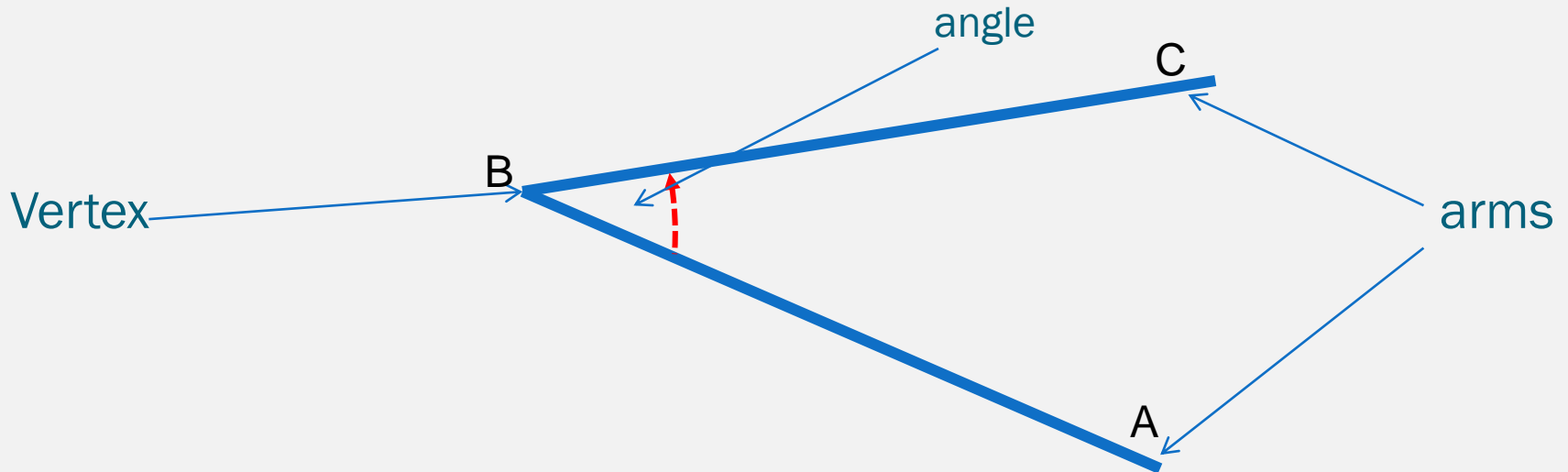

MATHS Monday 1st June 2020

ANGLES

A faint, light blue reflection of the word "ANGLE" is visible below the main text, mirroring its shape and orientation.

ANGLES

An angle is the amount of turn between two lines joined at a point called a vertex. The two lines are called arms.

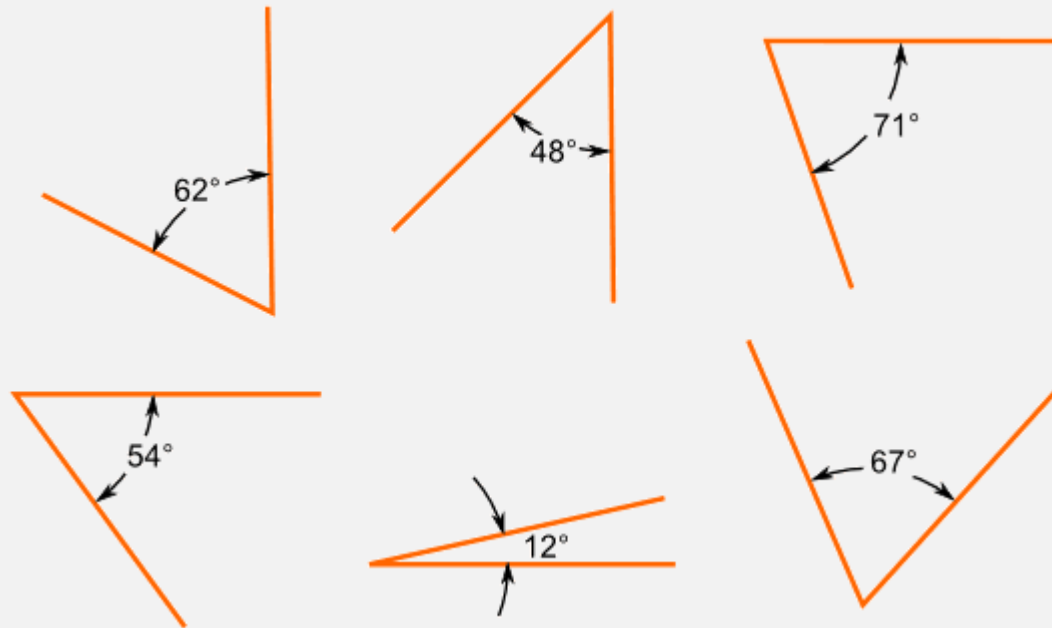


This angle would be named **ABC** – the angle would be measured at point B where the arms meet – the vertex.

The measure of an angle is the amount that you would need to turn one line to sit exactly on top of the other one.

DEGREES

You measure angles in degrees



The Symbol for degrees is °

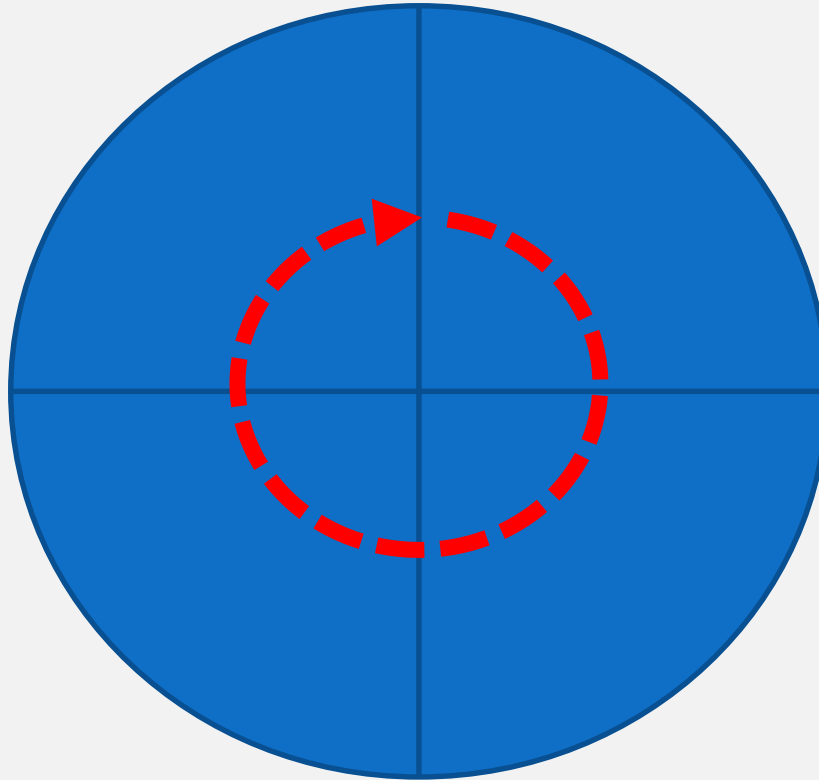
Some angles have special names that tell you about their size...

...Lets have a look at some of these angles now



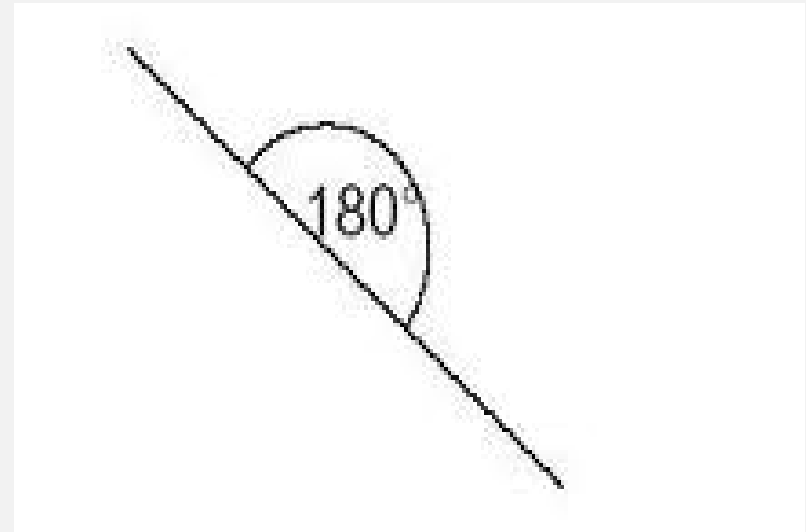
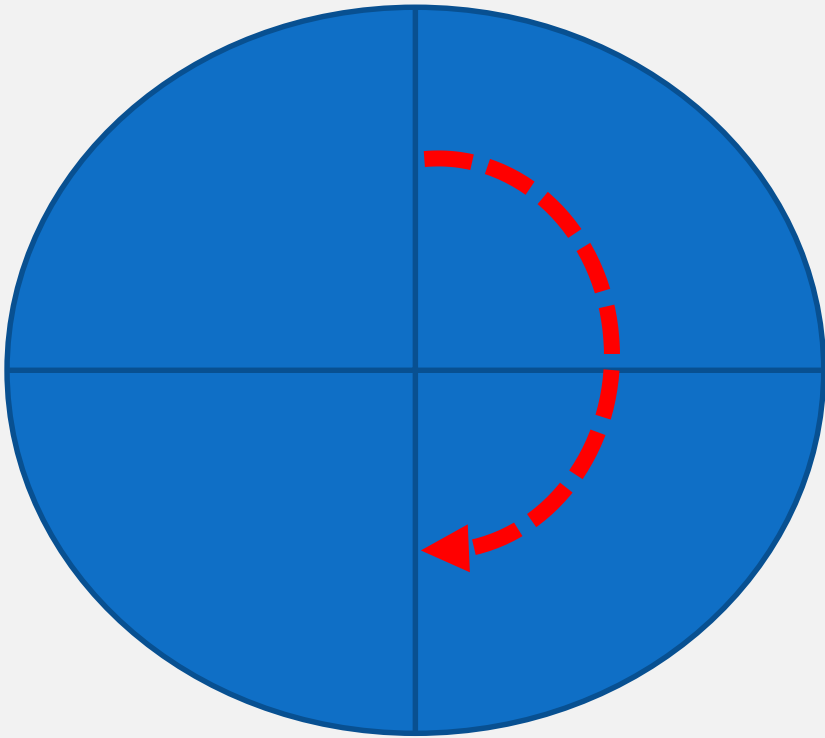
FULL TURN

A full turn is when a line turns around in a complete circle. It measures 360°



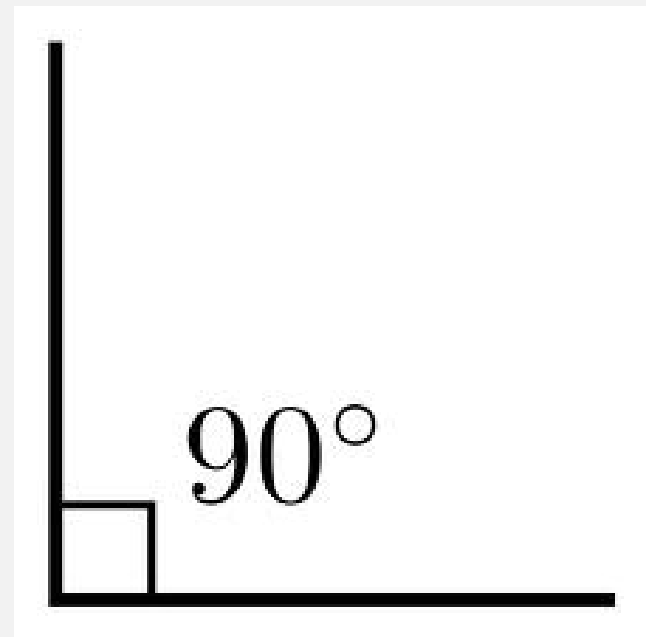
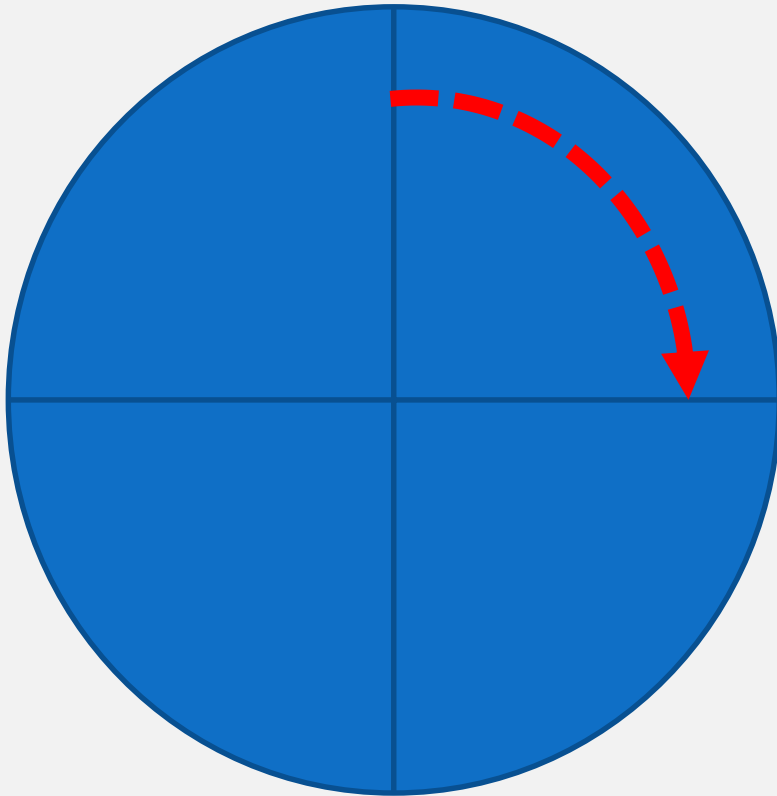
STRAIGHT ANGLES

A half of a full turn is called a straight angle. It measures 180°



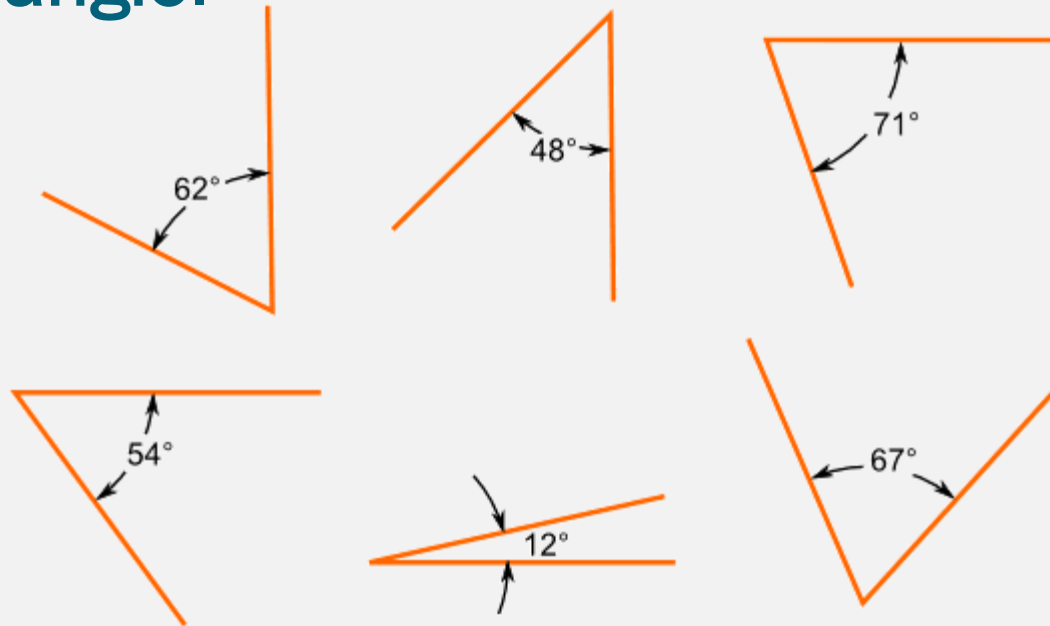
RIGHT ANGLES

A right angle is a quarter of a full turn. It measures 90°



ACUTE ANGLES

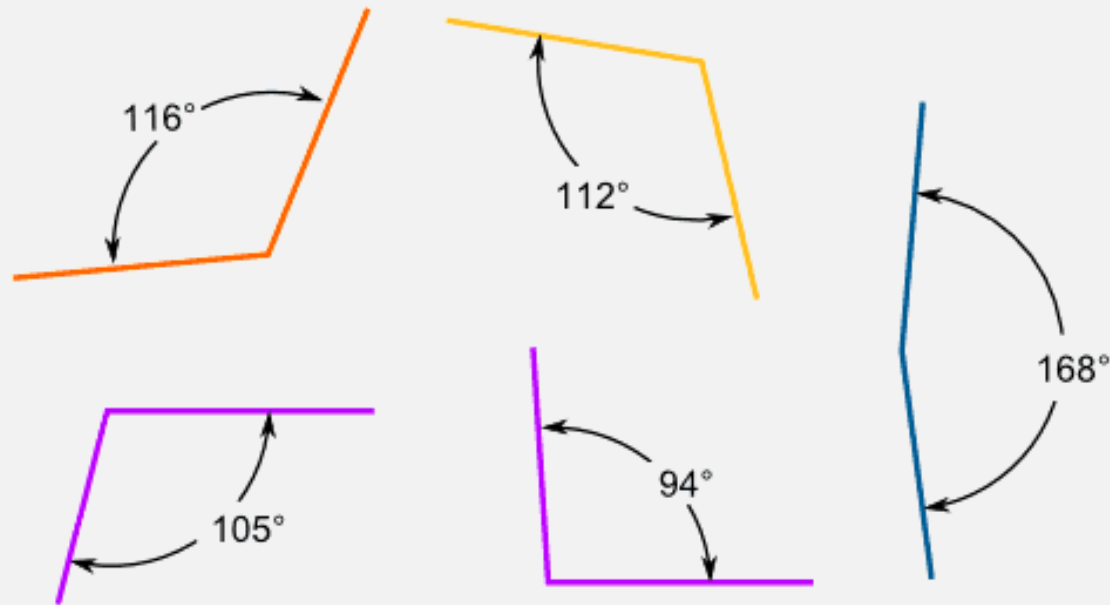
Any angle that is smaller than a right angle is an acute angle.



REMEMBER a right angle is 90°

OBTUSE ANGLES

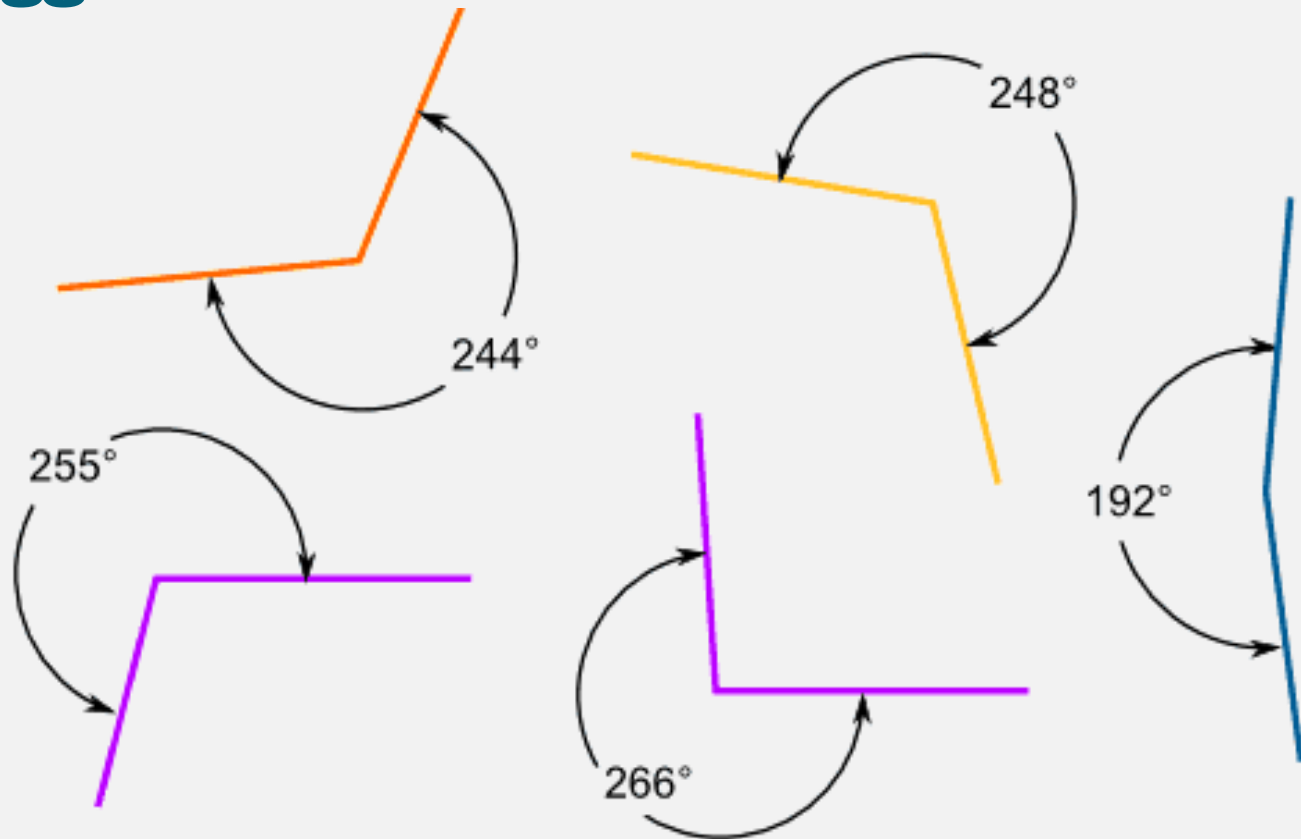
An obtuse angle is bigger than a right angle but smaller than a straight angle



REMEMBER a straight angle is 180°

REFLEX ANGLES

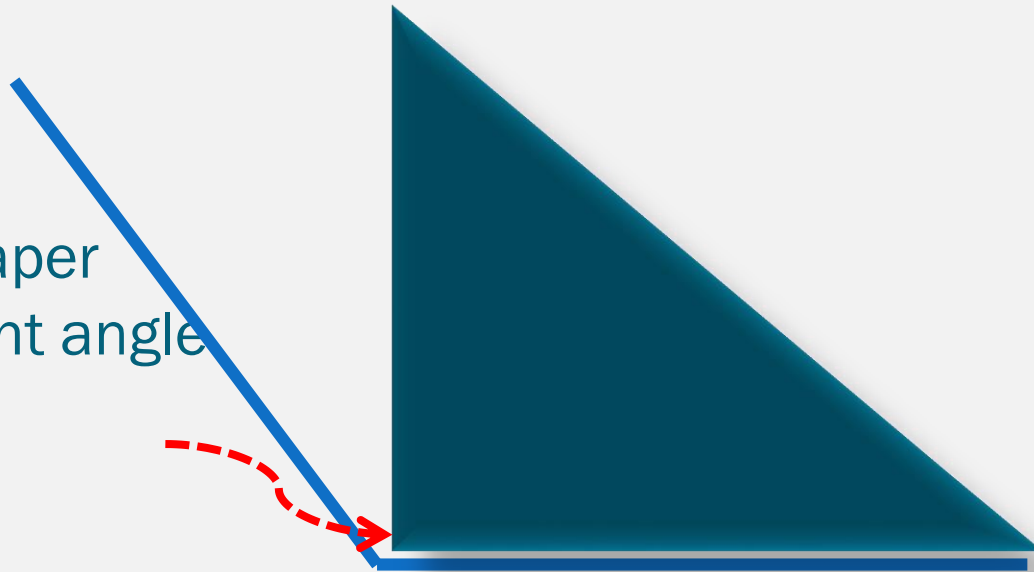
A reflex angle is bigger than a straight angle - so it is bigger than 180° .



ESTIMATING ANGLES

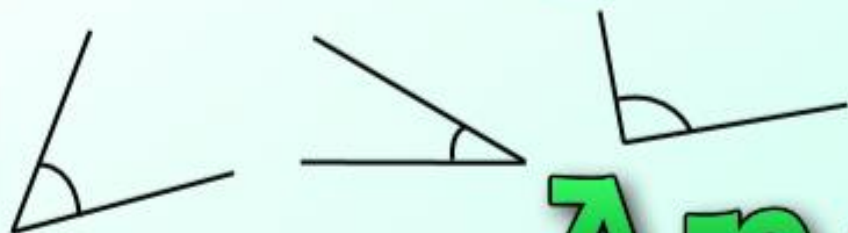
To measure whether an angle is more or less than a right angle, just tear off the corner of a piece of paper and place it over the angle to compare it

Corner of paper
makes a right angle
 90°



Acute angles are less than 90° .

Acute Angles

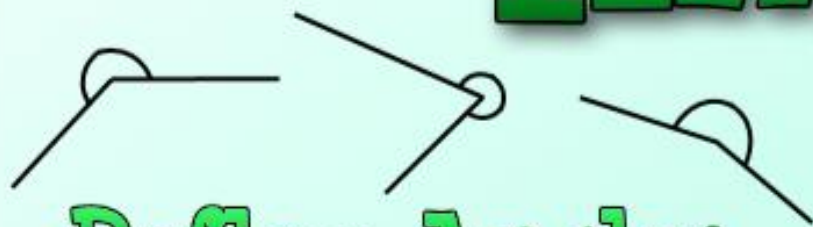


Obtuse angles are between 90° and 180° .

Obtuse Angles

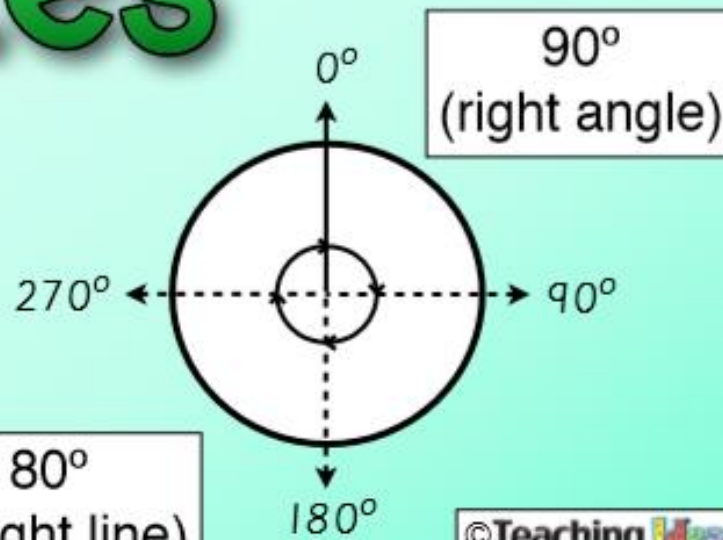


Angles



Reflex Angles

Reflex angles are between 180° and 360° .



NOW TAKE A LOOK AT THIS ...

<https://www.bbc.co.uk/bitesize/topics/zb6tyrd/articles/zg68k7h>

Also do the Activity at the bottom of the webpage.

Now it's your turn ...

Activity 1 – Recognise different kinds of angles

Activity 2 - Angle Hunt- Be a detective and go on an angle hunt in your house and garden. What angles can you spot?

Acute Right Angle Obtuse Reflex

Activity 3 – Angles and shapes – identify different angles in simple shapes