## YEAR 10 －GGOMETRY．．．

## ＠uhisto＿maths

## Working with circles

What do I need to be able to do？
By the end of this unit you should be able
to：
－Recognise and label parts of a circle
－Calculate fractional parts of a circle
－Calculate the length of an arc
－Undilerte the area of a sector
cyinder and spere volume of a cone，
－Understand and use surface area of a
cone，cyinder and sphere
Lニニニニニニニニニニニニニ


Circumference
an arc is a part of the circumference

## Keywords

Circumference：the length around the outside of the circle－the perimeter
｜Area：the size of the 2D surface
｜Diameter：the distance from one side of a circle to another through the centre
I Radius：the distance from the centre to the circumference of the circle
I Tangent：a straight line that touches the circumference of a circle
Chord：a line segment connecting two points on the curve
Frustrum：a pyramid or cone with the top cut off
Hemisphere：haff a sphere
｜Surface area：the total area of the surface of a 3D shape
Lector（part of 1 Fractional parts of a circle $a$ acrcle is made up of $360^{\circ}$ the circle made from two radil）

The fraction of the circle is as $\frac{\theta}{360}$
$\theta$ represents the degrees in the sector


## YEAR 10 - GGOMETRY...

## @uhisto_maths

## angles and bearings



