# CCSE (9-1) Mathematics Geometrical Reasoning 



## Quadrilaterals


$a+b+c+d=360$

Angles in a quadrilateral add up to 360

Circle Theorems

The angle at the centre of a circle is twice the angle at the circumference


The angle in a semicircle is a right angle (or 90)


Alternate segment theorem


Tangents to a circle from an external point are equal in length

A tangent to a circle is perpendicular (or 90 ) to the radius.


