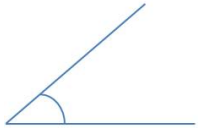
CHOONG HAN JUN (COPYRIGHTED) ©

CHOONG HAN JUN (COPYRIGHTED) ©

TOPIC 8: ANGLES, TRIANGLES & POLYGONS

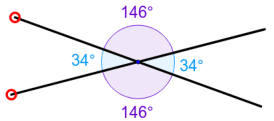
CHOONG HAN JUN (COPYRIGHTED) ©

ANGLES

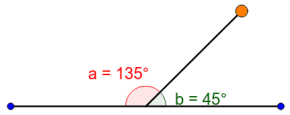
Right angles	Acute angles	Obtuse angles	Reflex angles
Angle exactly 90°	Angle less than 90°	Angle more than 90° but less than 180°	Angle more than 180° but less than 360°
			

General rules

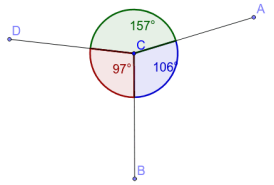
- The sum of all angles at a point is 360°
- The sum of adjacent angles on a straight line is 180°



Vertically opposite
angles are equal

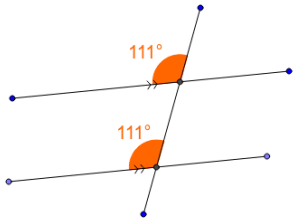


Angles on a straight line
equal to 180°

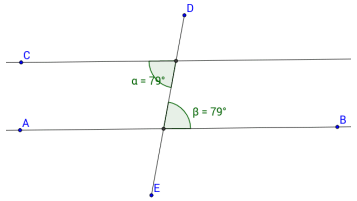


Angles at a point
equal to 360°

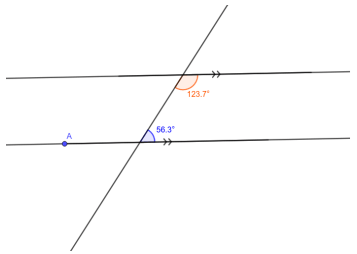
CHOONG HAN JUN (COPYRIGHTED) ©



Corresponding angles
are equal



Alternate angles
are equal



Interior angles
equal to 180°

Properties of triangles

By Side	By Angle
Equilateral Triangle has three equal sides	Acute triangle has three angles < 90°
Isosceles Triangle has two equal sides	Right triangle has one angle = 90°
Scalene Triangle has no equal sides	Obtuse triangle has one angle > 90°

CHOONG HAN JUN (COPYRIGHTED) ©

Polygons

- 4 sided: quadrilateral
- 5 sided: pentagon
- 6 sided: hexagon
- 7 sided: heptagon
- 8 sided: octagon
- 9 sided: nonagon
- 10 sided: decagon

Sum of interior angles of n-sided polygon

= **(*n* – 2) x 180°**

Therefore, the angle of each side is $\frac{(n-2)\ x\ 180°}{n}$

Sum of exterior angles of a polygon = **360°**

DARRELL ER (COPYRIGHTED) ©

OVERMUGGED
By Tutors, For Students

For more notes & learning materials, visit: www.overmugged.com

IG handle: @overmugged

Join our telegram channel: @overmuggedlowersec

Sec 1 EOY crash course program

Professionally designed crash course to help you get a **condensed revision** before your EOY exams!

The **3 hour session** focuses on going through **key concepts** and **identifying commonly tested questions!**

Our **specialist tutors** will also impart valuable **exam pointers and tips** to help you maximise your preparation and ace your upcoming national exam!

The crash courses will begin in **June 2021 and last till Oct 2021**.

Pre-register now on our website and secure your slots!

Need help?

CHOONG HAN JUN

97839558
(Whatsapp)

@hanjunn
(telegram username)