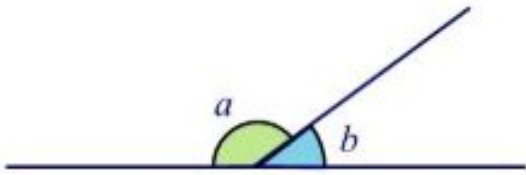


Year 7 - Angles

Definitions / Key terms

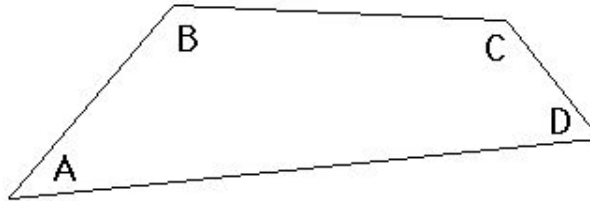
Angles on a line add up to 180° .

HM:447-478



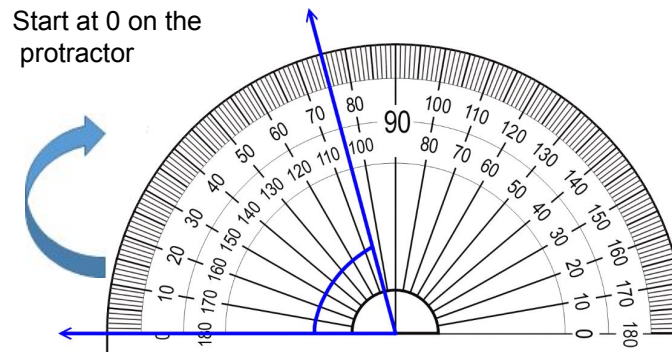
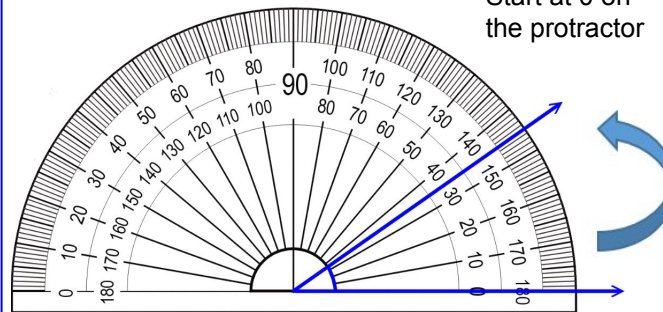
$$a + b = 180^\circ$$

Angles in a Quadrilateral



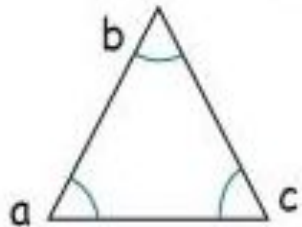
$$A + B + C + D = 360$$

Measuring Angles HM:458 - 460

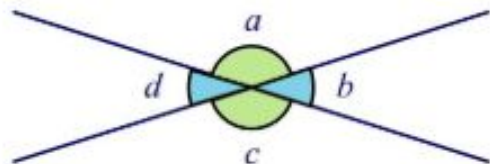


Triangles

The angles of any triangle will always add up to 180°



$$a + b + c = 180^\circ$$



$$a = c \quad \text{and} \quad b = d$$

Vertically opposite angles are equal.

Acute	Less than 90°	
Obtuse	Between 90° & 180°	
Reflex	Between 180° and 360°	
Vertically opposite	Angles opposite each other when two lines cross	
Isosceles	A Triangle with 2 lengths and 2 angles the same	
Equilateral	A triangle with all 3 lengths the same	