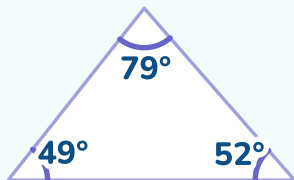
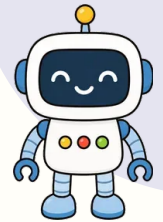


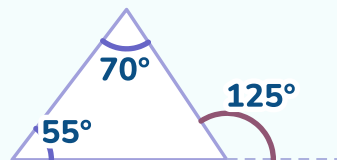
Triangle angle facts



Angle sum

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

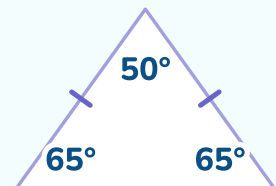
$$49^\circ + 52^\circ + 79^\circ = 180^\circ$$



Exterior angle

$$\text{exterior} = 55^\circ + 70^\circ$$

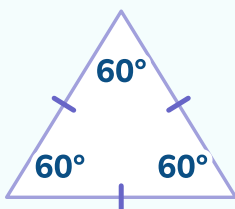
$$= 125^\circ$$



Isosceles

equal sides → equal base angles

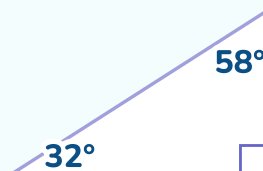
$$65^\circ \text{ and } 65^\circ$$



Equilateral

every angle 60°

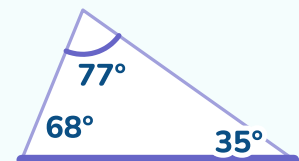
$$60^\circ \cdot 60^\circ \cdot 60^\circ$$



Right triangle

the two acute angles add to 90°

$$32^\circ + 58^\circ = 90^\circ$$



Bigger side, bigger angle

longest side ↔ biggest angle

shortest side ↔ smallest angle

The three angles of any triangle add to 180° . Almost everything here is that one fact wearing a different hat — an exterior angle is 180° minus its neighbour, a right triangle has 90° left to share.