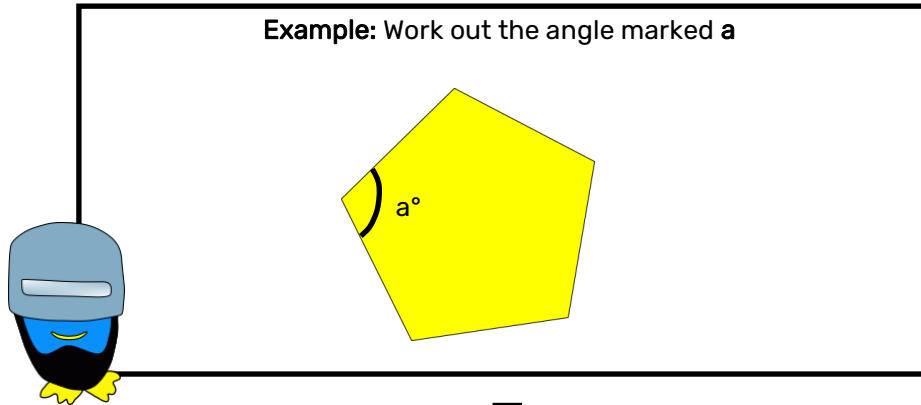


Robot Maths - Angles in a polygon

Example: Work out the angle marked a



1) Find the **total of the angles** in the shape using $n-2 \times 180$

a) Find the number of sides of the shape

b) Subtract 2

c) Multiply by 180



Yes

Are all the angles of your shape equal?

No

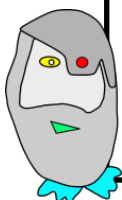


2) Divide the total of the angles by the number of angles

3) Do angle total - all of the other angles

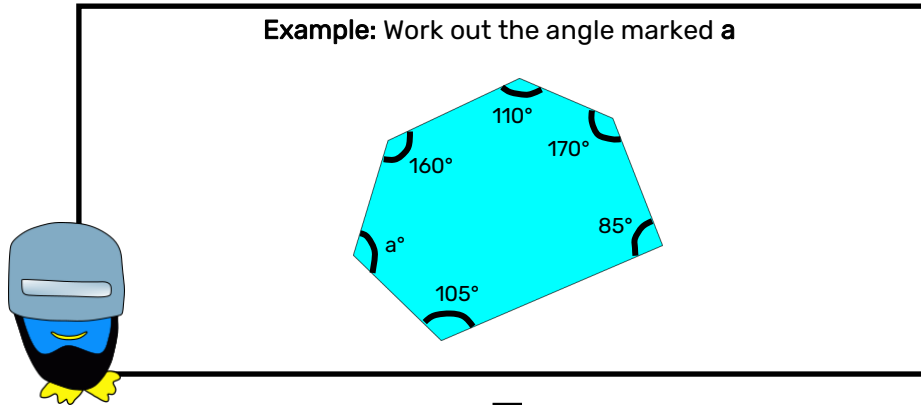


5) Make your final answer clear using a full sentence, including the correct unit of measurement



Robot Maths - Angles in a polygon

Example: Work out the angle marked **a**



A cyan pentagon with interior angles labeled as follows: 110° at the top, 170° at the top-right, 85° at the bottom-right, 105° at the bottom, and a° at the bottom-left.



1) Find the **total of the angles** in the shape using $n-2 \times 180$

a) Find the number of sides of the shape

b) Subtract 2

c) Multiply by 180



Yes

Are all the angles of your shape equal?

No



2) Divide the total of the angles by the number of angles

3) Do angle total - all of the other angles



5) Make your final answer clear using a full sentence, including the correct unit of measurement

