YOU & MATHS **Find the measures** Find the measures x and y, in degrees, knowing that $ED \parallel AB$.
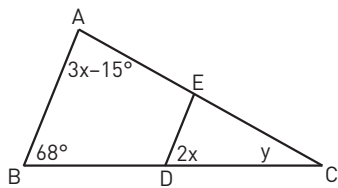

$\widehat{EDC} \cong \widehat{ABC}$ because the angles are corresponding. Therefore,

$$2x = 68° \Rightarrow x = 34°.$$

So $\widehat{CAB} = 3x - 15° = 3 \cdot 34° - 15° = 87°$.

The sum of the internal angles of a triangle is 180°, so:

$$\widehat{CAB} + \widehat{ABC} + \widehat{BCA} = 180°,$$
$$87° + 68° + y = 180°,$$
$$y = 180° - 87° - 68° = 25°.$$