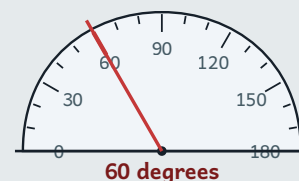


Angle sum of a triangle

MODULE 7 · 2D SHAPE, 3D SHAPE AND ANGLES REVIEW

The three angles of **any triangle add to 180°**. Knowing two angles lets you find the third.

$$\rightarrow 60^\circ + 80^\circ + ? = 180^\circ \rightarrow 40^\circ.$$



TWO ANGLES OF A TRIANGLE ARE 55° AND 80°. FIND THE THIRD.

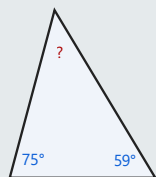
- 1 The angles add to **180°**.
- 2 $55 + 80 = 135$.
- 3 $180 - 135 = 45^\circ$.

HOW TO ANSWER TODAY

- **Triangle angles.** Triangle angles add to 180°. Add the two you know, then subtract from 180°. $45^\circ + 60^\circ = 105^\circ$. $180^\circ - 105^\circ = 75^\circ$

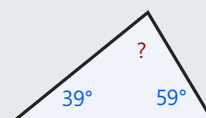
WARM-UP

1



Saoirse is cutting a triangular bunting flag for the class door display for Seachtain na Gaeilge. Two of the angles on her paper triangle measure **75°** and **59°**. What is the size of the third angle?

2



Saoirse is cutting a triangular eye-piece for her papier-mâché mask for the school play. Two of the corners of the triangle measure **39°** and **59°**. What size is the third corner?