

Angle sum of a triangle

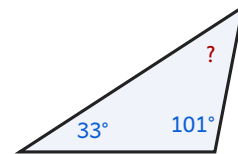
MODULE 7 · 2D SHAPE, 3D SHAPE AND ANGLES SHAPE & SPACE

HOW TO ANSWER TODAY

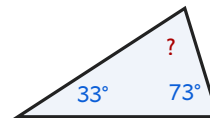
- **Triangle angles.** Triangle angles add to 180° . Add the two you know, then subtract from 180° .
 $45^\circ + 60^\circ = 105^\circ$. $180^\circ - 105^\circ = 75^\circ$

STRETCH PROBLEMS

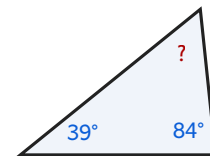
- 1 Oisín is designing a triangle tile for the corridor tessellation display in 5th class. Two of the angles in his triangle measure 33° and 101° . What is the size of the third angle?



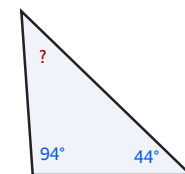
- 2 Saoirse is cutting triangle shapes from a cereal box for a junk-modelling project. She measures two corners of one triangle as 33° and 73° . What size is the third corner?



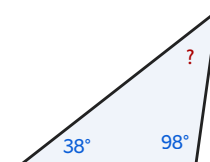
- 3 Tadhg is painting a triangular bunting flag for the GAA finals day banner. He measures two of its corners as 39° and 84° . What is the size of the third corner?



- 4 Oisín and Cara build a triangular den frame in the school orchard using three sticks lashed together. They measure two of the corners and get 94° and 44° . What is the size of the third corner?



- 5 For STEM week, Tadhg is cutting triangular card supports for his model bridge. Two of the angles in each triangle measure 38° and 98° . What size is the third angle?





SHAPE & SPACE