

Angle sum of a triangle

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

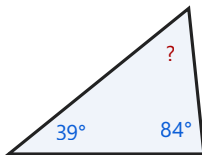
HOW TO ANSWER TODAY

- **Triangle angles.** Triangle angles add to 180° . Add the two you know, then subtract from 180° .

$$45^\circ + 60^\circ = 105^\circ. 180^\circ - 105^\circ = 75^\circ$$

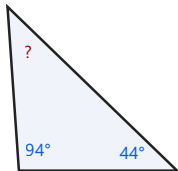
STRETCH PROBLEMS

1



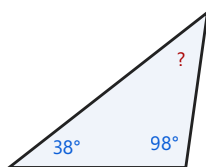
Tadhg is painting a triangular bunting flag for the GAA finals day banner. He measures two of its corners as 39° and 84° . What is the size of the third corner?

2



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?

3



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?