

Angle sum of a quadrilateral

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

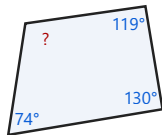
HOW TO ANSWER TODAY

- **Quadrilateral angles.** Quadrilateral angles add to 360° . Add the three you know, then subtract from 360° .

$$70^\circ + 80^\circ + 90^\circ = 240^\circ. 360^\circ - 240^\circ = 120^\circ$$

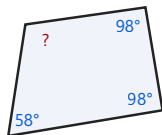
★ STRETCH PROBLEMS

1



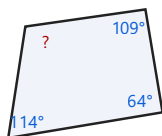
Saoirse is cutting four-sided tiles for the corridor tessellation display. On one tile she measures three of the angles as 74° , 130° and 119° . What is the size of the fourth angle?

2



Saoirse is painting a four-sided kite shape onto the yard beside the giant chess board. She measures three of its corners as 58° , 98° and 98° . What is the size of the fourth corner?

3



Oisín is cutting out a four-sided panel for his model bridge during STEM week in 5th class. Three of the corner angles measure 114° , 64° and 109° . What size is the fourth angle?