

Angles on a line, at a point and vertically opposite

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

HOW TO ANSWER TODAY

- **Pairs of angles.** Complementary → add to 90° . Supplementary → add to 180° . Around a point → add to 360° .

Supplementary, one is 55° → other is $180^\circ - 55^\circ = 125^\circ$

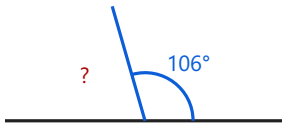
STRETCH PROBLEMS

1



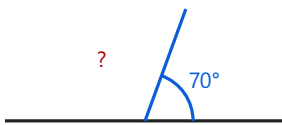
Cara is making a papier-mâché mask for the 5th class play and cuts two card pieces that meet at a right angle along the cheek. The first piece has a corner of 63° . What angle must the second piece have so the two corners add to 90° ?

2



Oisín marks out a straight finish line on the yard for the 5th class mini athletics track. A measuring tape crosses the line and makes two angles on one side that add up to 180° . One of the angles is 106° . What is the other angle?

3



Caoimhe is designing a tessellation pattern for the 5th class corridor display. Two angles on a straight edge of her shape are supplementary, so they sum to 180° . One angle measures 70° . What does the other angle measure?