Angles in shapes

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

HOW TO ANSWER TODAY

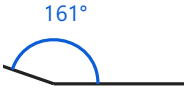
- **Classify an angle.** Acute < 90° · right = 90° · obtuse 90°–180° · straight = 180° · reflex > 180°.
  75° → acute · 120° → obtuse · 220° → reflex
- **Name a 2D shape.** Count sides, check which are equal, count right angles, check parallel pairs. Then name it.
  4 equal sides, 0 right angles → rhombus · 4 sides, 1 pair parallel → trapezium

STRETCH PROBLEMS

1

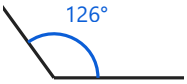
Aoife is cutting triangle flags for the school summer fair bunting. Each flag has a sharp point that measures **15°**. Is this angle acute, right, obtuse, straight or reflex?

2



Aoife is painting new hopscotch squares on the school yard. One of the chalk lines meets another at an angle of **161°**. Is this angle acute, right, obtuse, straight or reflex?

3

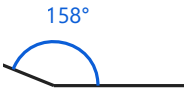


Cian is building a den with branches in the school orchard. Two of the branches meet at an angle of **126°**. Is this angle acute, right, obtuse, straight or reflex?

4 Aoife is cutting a shape for the front of her papier-mâché mask for the school play. Her shape has **6** equal sides and **6** equal angles. What 2D shape is she cutting?

> Which 2D shape has these properties: 6 equal sides and 6 equal angles?

5



Oisín is drawing arrows on his homemade Snakes and Ladders board. One of the arrows turns through an angle of **158°**. Is this angle acute, right, obtuse, straight or reflex?