

Angles smaller and bigger than a right angle

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

HOW TO ANSWER TODAY

- **Classify an angle.** Acute $< 90^\circ$ · right $= 90^\circ$ · obtuse $90^\circ - 180^\circ$ · straight $= 180^\circ$ · reflex $> 180^\circ$.
 $75^\circ \rightarrow$ acute · $120^\circ \rightarrow$ obtuse · $220^\circ \rightarrow$ reflex
- **Parts of a circle.** Centre = middle point. Radius = centre to edge. Diameter = edge through centre to edge. Circumference = the distance round.
 Line from centre to edge $\rightarrow$ radius · All the way round $\rightarrow$ circumference

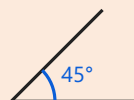
WARM-UP

1



Mr Ó Briain is sketching the new school polytunnel and marks one corner of the path with an angle of 120° . Is this angle acute, right, obtuse, straight or reflex?

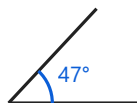
2



Cian is planning a triangular flowerbed for the school garden. One corner of the bed measures 45° . Is this angle acute, right, obtuse, straight or reflex?

PRACTICE

1



Cian is drawing the snake heads on a homemade Snakes and Ladders board. He measures the angle at one snake's fang as 47° . Is this angle acute, right, obtuse, straight or reflex?

- 2 On the way home from the cinema, Aoife notices a circular logo on her admission ticket and traces lines across it with her pencil. She spots that two radii drawn in a straight line through the centre form one _____. What word completes the sentence?