

Classifying angles – acute, right, obtuse and straight

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

HOW TO ANSWER TODAY

- **Classify an angle.** Acute $< 90^\circ$ · right = 90° · obtuse $90^\circ - 180^\circ$ · straight = 180° · reflex $> 180^\circ$.
 $75^\circ \rightarrow$ acute · $120^\circ \rightarrow$ obtuse · $220^\circ \rightarrow$ reflex

★ STRETCH PROBLEMS

- 1 Cara paints a big zigzag on her papier-mâché mask for the school play. One of the zigzag corners opens out to 161° . Is that angle acute, right, obtuse, straight or reflex?



- 2 Aoife is designing a mosaic tile for the school library wall. One of the corners in her pattern has an angle of 158° . Is this angle acute, right, obtuse, straight or reflex?



- 3 For STEM week, Fionn measures the angle between two struts on his model bridge and finds it is 126° . Is this angle acute, right, obtuse, straight or reflex?



- 4 Aoife designs a new crest for the 4th class Gaelic football jersey. One of the pointed corners on the crest measures 17° . Is this angle acute, right, obtuse, straight or reflex?



- 5 Cian draws a scale plan of the classroom on grid paper and measures the corner where the reading table meets the wall as 81° . Is this angle acute, right, obtuse, straight or reflex?

