Classifying angles: acute, right, obtuse and straight

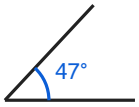
MODULE 7 · 2D AND 3D SHAPES AND ANGLES SHAPE & SPACE

HOW TO ANSWER TODAY

- **Classify an angle.** Acute < 90° · right = 90° · obtuse 90°–180° · straight = 180° · reflex > 180°.
  75° → acute 120° → obtuse 220° → reflex

STRETCH PROBLEMS

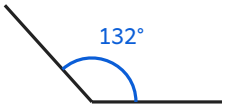
1. Cian uses a protractor to measure the corner where two lines meet on the hopscotch grid painted in the school yard. The angle measures **47°**. Is this angle acute, right, obtuse, straight or reflex?



2. 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?

3. 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?

4. Cian marks the corners for the goals on the school soccer pitch. One of the lines he paints makes an angle of **132°** with the sideline. Is this angle acute, right, obtuse, straight or reflex?



5. 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?

SHAPE & SPACE