

## Measuring angles with a protractor

MODULE 6 · 2D AND 3D SHAPE, ANGLES, SYMMETRY      SHAPE & SPACE

### HOW TO ANSWER TODAY

- **Read a protractor.** Protractors have two scales. Pick the one that reads  $0^\circ$  on the side the angle's first arm sits on.

First arm on outer  $0^\circ$  → use the outer scale to read the second arm

### ★ STRETCH PROBLEMS

- 1 Saoirse is measuring an angle on her kite frame at the after-school crafts club. The angle looks acute, but on her protractor one scale reads  $84^\circ$  and the other reads  $96^\circ$ . Which reading is the correct one?
- 2 Cian is building a paper kite at the after-school crafts club and uses a protractor to check one of the corner angles. One scale on the protractor reads  $57^\circ$  and the other scale reads  $123^\circ$ . The angle clearly looks acute. Which reading is correct?
- 3 Saoirse is using a protractor to mark an angle on her scale drawing of the school yard for art class. One scale on the protractor reads  $69^\circ$  and the other reads  $111^\circ$ . If the angle looks acute, which reading is the correct one?