

Angle-related problem-solving

MODULE 7 · 2D SHAPE, 3D SHAPE AND ANGLES REVIEW

HOW TO ANSWER TODAY

- **Triangle angles.** Triangle angles add to 180° . Add the two you know, then subtract from 180° .
 $45^\circ + 60^\circ = 105^\circ$. $180^\circ - 105^\circ = 75^\circ$
- **Read a protractor.** Protractors have two scales. Pick the one that reads 0° on the side the angle's first arm sits on.
 First arm on outer $0^\circ \rightarrow$ use the outer scale to read the second arm
- **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