

Solutions

2.1 Diameter= $2 \times 5 = 10$ cm.

2.2 Use $\sqrt{(25-9)} = 4$ cm.

2.3 The perpendicular bisects the chord: $2 \times 4 = 8$ cm.

3.1 False. A sector uses two radii and an arc. A chord and its arc bound a segment; a quarter-circle sector illustrates the two radii meeting at the centre.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.