

Circles & Composite Figures Notes

Radius, diameter, circumference, area and curved figures.

P6

Measurement & Geometry - Circles

Prep before class. Practise after class. Fix mistakes. Track progress.

Core idea

- Circle questions test formula choice and careful identification of radius/diameter.

Vocabulary

- Radius: centre to edge
- Diameter: across the circle through centre
- Circumference: distance around circle
- Area: space inside circle

Important reminders

- Diameter = 2 x radius
- For semicircle perimeter, include curved part plus straight edge.
- For quarter circle perimeter, include curved part plus two straight edges.

Composite figures

- Split shape into known parts.
- Mark straight and curved edges.
- Do not forget hidden rectangle/triangle parts.

Common mistakes

- Using diameter as radius
- Using area formula for perimeter
- Forgetting straight edges
- Wrong split of composite figure

Teacher tip

- Before solving, write $r = \underline{\hspace{1cm}}$ and $d = \underline{\hspace{1cm}}$.