Blurt it

Step 1

Name _____ **Date** _____

1. Cover your notes and put your phone face down.
2. Set a timer for 5 minutes.
3. Write down everything you remember about circle theorems: methods, key words, examples, and mistakes to avoid. Diagrams count too.

Stuck? Start with one of these: radius · chord · tangent

When the timer ends, turn over and check what you remembered.

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Check it, fix it, space it

Steps 2, 3 and 4

Check it

Tick each idea you wrote down, even in your own words.

- [ ] Radius: from the centre to the edge of the circle
- [ ] Diameter: a straight line across the circle through the centre, twice the radius
- [ ] Circumference: the distance all the way round the circle
- [ ] Chord: a straight line joining two points on the circle
- [ ] Tangent: a straight line that touches the circle at exactly one point
- [ ] Arc: part of the circumference
- [ ] Sector: the region between two radii and an arc, like a slice of pizza
- [ ] Segment: the region between a chord and an arc

Higher only

- [ ] The angle in a semicircle is 90°
- [ ] A tangent meets the radius at 90° at the point of contact
- [ ] The angle at the centre is twice the angle at the circumference from the same arc
- [ ] Angles in the same segment are equal
- [ ] Opposite angles in a cyclic quadrilateral add to 180°
- [ ] Only use the cyclic quadrilateral rule when all four corners are on the circle
- [ ] The perpendicular from the centre to a chord cuts the chord in half
- [ ] Two tangents from the same outside point are equal in length
- [ ] Alternate segment theorem: angle between tangent and chord = angle in the alternate segment

Key words to use: radius · diameter · chord · tangent · arc · sector · segment · circumference
cyclic quadrilateral · subtend · alternate segment

I remembered _____ out of 8. **Higher only: _____ out of 9.**

Fix it

Pick 3 ideas you missed. Look them up, then write each one correctly.

1

2

3

Space it

Blurt again on a fresh sheet. Gaps help you remember for longer.

Tomorrow
Date _____
Score _____ / 8
Higher only _____ / 9

In 3 days
Date _____
Score _____ / 8
Higher only _____ / 9

In a week
Date _____
Score _____ / 8
Higher only _____ / 9

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