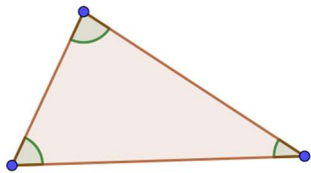# Circle Theorem Badge Making – Instructions

Choose the template for your favourite circle theorem, or a blank template if you want to make your own.
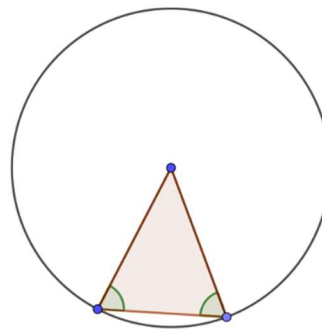
You can just colour in or mark angles to complete the proof, add in the statement of the proof, or draw the diagram.

The proofs can be completed by finding angles which are equal and colouring them the same colour or marking them with the same letter.

You may need to use the following information:

Angles in a triangle add up to 180°   The two base angles in an isosceles triangle are equal

If you are making your badge at MathsJam in person, you can cut out your completed template and use the Badge Maker to make it badge.

If you are joining in online, you will need to use some card, a safety pin and some sticky-back plastic to finish your badge (unless you happen to have your own Badge Maker of course!)

Feel free to share your completed badges on social media!

Opposite Angles in a Cyclic Quadrilateral Sum To 180°

Angle at centre is twice angle at circumference

Angle in a semicircle is 90°

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Angle at centre is twice angle at circumference

Angle in a semicircle is 90°