



Advanced Mathematics
Support Programme®

Higher Tier GCSE

Circle Area

This diagram shows an equilateral triangle of side length 6 cm drawn inside a circle so that each corner touches the circumference of the circle.

What is the total area of the shaded regions that lie outside the triangle but inside the circle?



Higher Tier GCSE

Whether you're experienced or new to teaching Higher Tier GCSE Mathematics, the AMSP is an excellent source of information, professional development and resources.

Our professional development includes online courses (live and on-demand), face-to-face courses, and conferences. We also arrange local teacher network meetings, providing opportunities to share and discuss good practice and new ideas with other teachers. These are all free or low-cost and, in some cases, subsidised.



For professional development opportunities, classroom resources and curriculum guidance visit [amsp.org.uk](https://www.amsp.org.uk)

We also have series of videos to support your professional practice, providing inspiration and ideas to use in your classroom. These can also be used as a focus for collaborative reflection and discussion with colleagues, and are accompanied by resources, including suggestions for lesson planning.

We also provide resources and enrichment activities for your students to engage and inspire them to study maths beyond GCSE.



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