

# Spicy Question #46



Two identical, regular octagons are used to form the diagram below.

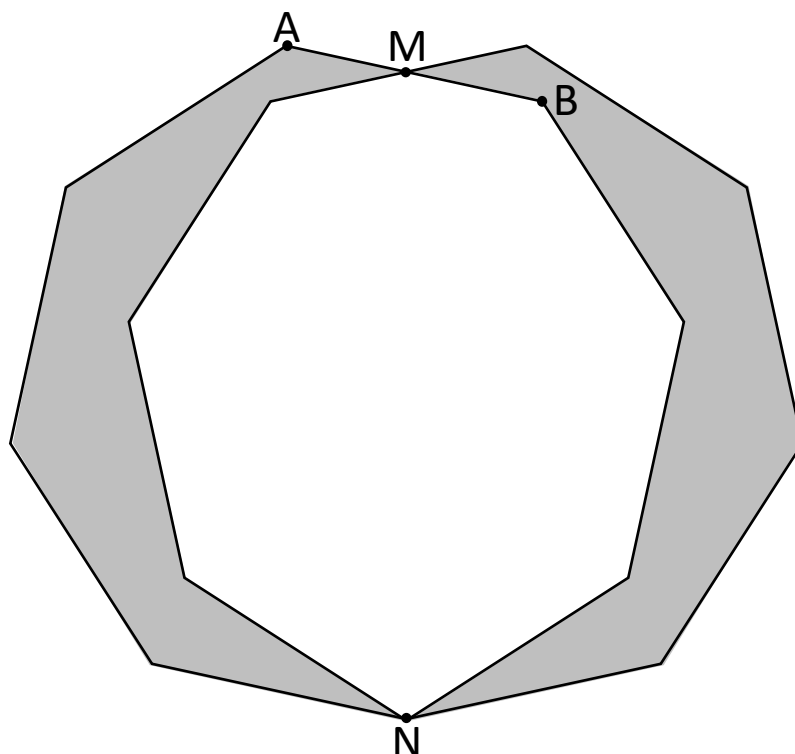


**NO Calculator**

M is the midpoint of the line AB.

MN is a line of symmetry.

What fraction of the diagram is shaded?



Note: Area of a triangle/trapezium can be used freely if you wish as they are assumed knowledge.

Any formula for the area of an octagon, if used, must be clearly derived. It is not assumed knowledge.

**CLEARLY** 😊

SUBMISSION DEADLINE 24/2/23 - 7PM

Video  
Solution →



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