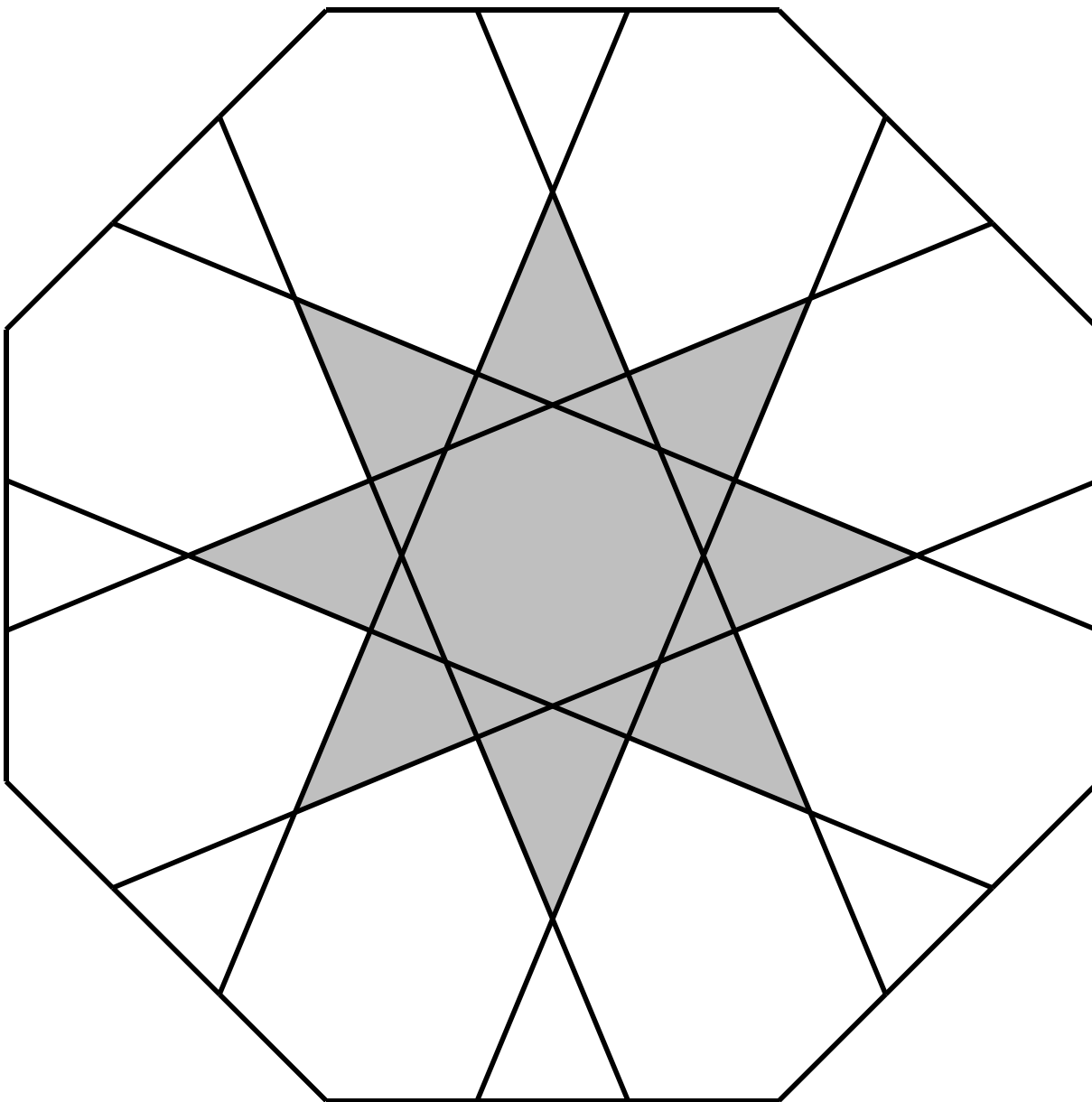


# Fraction Frenzy

The diagram shows a ceramic design by the Catalan architect Antoni Gaudí. It is formed by drawing eight line segments connecting points which divide the edges of the outer regular octagon into three equal parts, as shown.

What fraction of the octagon is shaded?



Go to Room 211 of Stanley Hall to present your solution to the Master Teacher. Be prepared to justify your answer. This problem is worth 2 puzzle pieces.