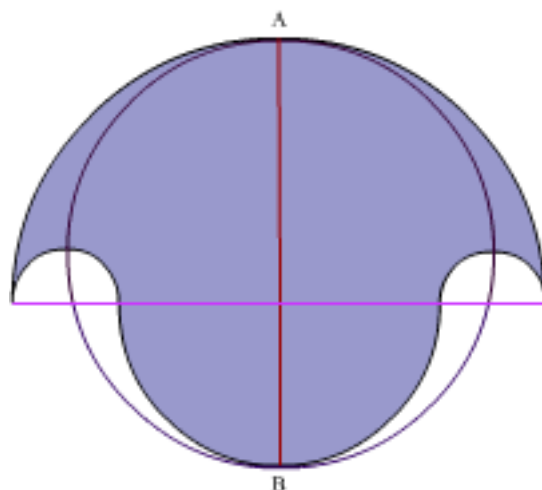


The shape below is constructed using four semi-circles.

It is called a Salinon.



What is the relationship between the area of the shaded region and the area of the circle whose diameter is  $AB$ ?