

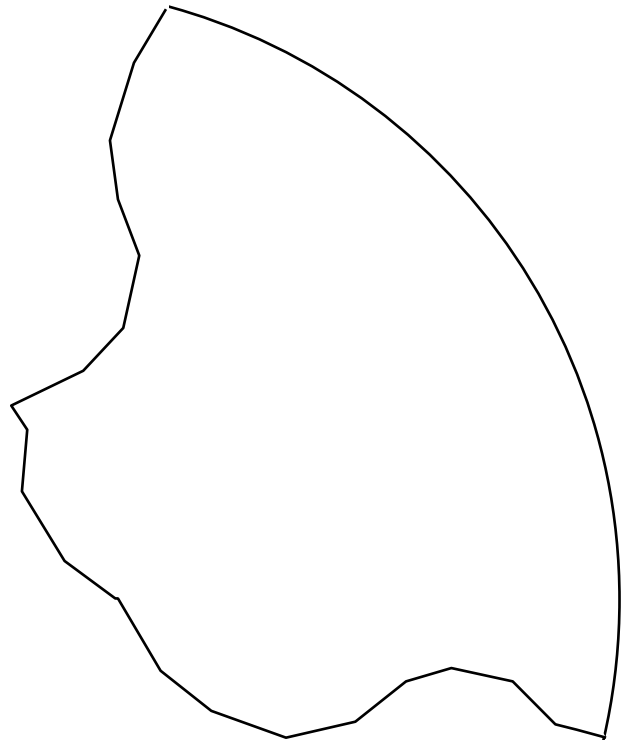
# How Big Was the Plate?

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Assessment Task

This fragment of a plate was found by an archeologist on the site of an ancient village. She wants to know the diameter of the plate.

Use your knowledge of mathematics to help her.



Name: \_\_\_\_\_ Class: \_\_\_\_\_

## Marking Criteria

Student Responses	Profile Outcomes		
	Working Mathematically	Space	Measurement
Uses trial and error, or traces over the arc to construct a complete circle.	5.3	3.7a	
Understands and uses circle terminology appropriate to the problem: diameter, arc, circumference chord, perpendicular, bisector	5.5	5.9 7.9	
Uses appropriate tools to draw circles and/or measure angles	5.4	6.7	4.19
Draws chords and constructs perpendicular bisectors		6.7	4.19
Uses the theorem "The perpendicular bisectors of two chords meet in the centre of the circle".	5.4	7.9	
Chooses an appropriate theorem and applies it to a real situation	7.2	7.9	
<b>SPS Level</b>			