Finding the Perimeter of an Irregular Shape

Topic: Geometry

Using a contextualised problem students are asked to discover in how many ways they can evaluate the missing angles.

Year Group: 1st Year Level: Mixed Ability

Presenting the Problem

What is the perimeter of this shape?



The Board Plan



Reflecting on the Learning



Lesson provided students with the opportunity to make the link between calculating perimeter, using unknowns and using scale models. It also helped them to see the use of fraction in algebra, as well as practice adding like terms within the same expression. Interestingly while most students enjoyed tackling the problem, some student were confused with how to approach such a task and really pushed to quantify the unknown length. This rich and engaging lesson resulting in much student discussion; peer tutoring and teamwork was very evident.



Developed by Mary Dignan, Sinead McHugh and Katrina Nolan with the support of Cathal Halpenny MDT and the students from Loreto SS, Bray, Co. Wicklow.

o download this lesson plan visit www.projectmaths.ie/mc2017





Maths Counts 2017 Engaging teachers in Lesson Study

Maynooth University, 3rd-4th March 2017



