



Tri to be Shady

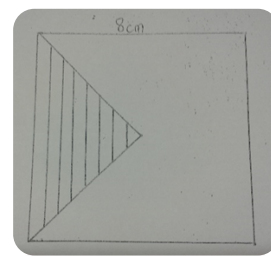
Topic: Area

This lesson is designed to allow students use multiple solutions to calculate the area of a 2-dimensional shape.

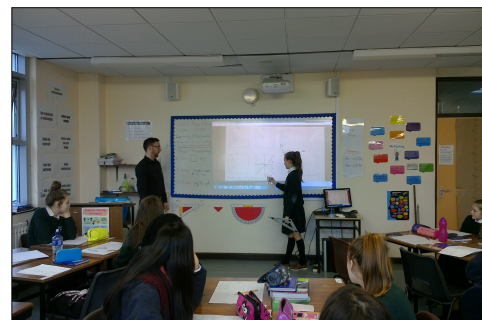
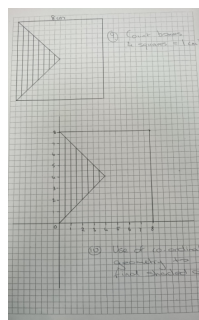
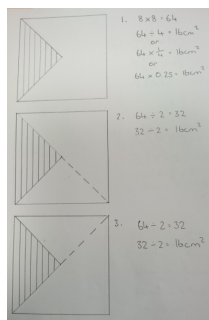
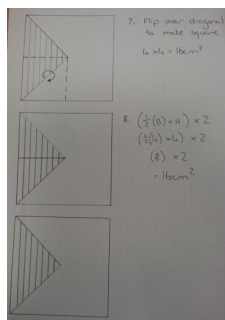
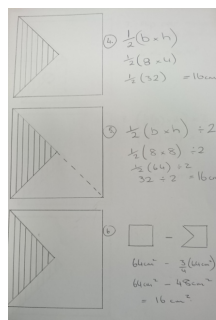
Year Group: 2nd Year
Level: Higher

Presenting the Problem

Calculate the shaded area in the square and find as many solutions to the problem as possible.



The Board Plan



Prior Knowledge & Posing the Task
5 minutes



Students working on the problem
15 minutes



Presentation of Solutions & Ceardaíocht
15 minutes



Summing up & Reflection
5 minutes

Reflecting on the Learning

One of the key observations noted was that students tended to use fractions and in particular working off quarters to solve the problem. Very few students counted the boxes and there was a tangible unfamiliarity with the area of a triangle formula and most tended not to use it in solving the problem. They all enjoyed the fact that there was more than one method to solve the problem, which added to the learning of all students and evident in their feedback comments. The students used excellent use of language to explain their solutions, showing they had very good understanding of the problem.



Developed by Ray Maher and Michelle Madigan supported by Bairbre Ní Mhaille MDT, with thanks to the students of Coláiste Muire, Ennis, Co. Clare.

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

