The Centre of Symmetry of a Rectangle

INTERACTIVE

WORKSHOP

Topic: Coordinate Geometry & Geometry

This problem challenges the students to draw connections between coordinate geometry, geometry and constructions.

Year Group: 5th Year Level: Leaving Certificate Ordinary

Presenting the Problem

Find the centre of symmetry of the rectangle using as many ways as you can.



The Board Plan



Reflecting on the Learning

Students who had studied Technical Graphics at Junior Cert were particularly comfortable with the solutions that made use of the constructions. Most students made use of a solution that incorporated coordinate geometry and relatively few went as far as finding the point of intersection of two lines algebraically. Every member of the class was able to come up with some valid solution. The class enjoyed the interactive element of coming up to the whiteboard to present to their peers.



Developed by Rachel McGuinness, Owen Doherty and Maurice Harkin with thanks to Ryan Monagle MDT and the students from Moville CC, Co. Donegal.





Maths Counts 2017 Engaging teachers in Lesson Study

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