

Reflecting on the Learning

This approach to expanding complex numbers both highlighted student misconceptions and supported student mathematical thinking and expression. All anticipated responses were attained by t he students. During Ceardaíocht a student asked: "What if the power isn't 5?" Leading students to articulate a generalised statement of the principle of de Moivre's Theorem. Most student responses stated in one-way or another that: "to raise a complex number by a power you raise the modulus by the power and multiply the argument by the power". Many expressed an appreciation for this method: "I learned that a page of maths could just as easily be solved in two lines!"





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