Rearranging Equations Bookmark Competition

Rearranging equations is a vital skill in many professions and yet it a topic that many of us find difficult. The aim of this competition is to encourage you to think carefully about equations and how to rearrange them.

Key Concepts

- Any equation can be represented in an infinite number of different but equivalent ways
- Respect the equality i.e. do the same to both sides of the equation to obtain an equivalent equation
- Simplify the equation/formula step by step by applying the inverse operations

Please use images as well as equations and text to demonstrate key concepts and examples.

The bookmarks should be informative, helpful and, most of all fun!

Language

It is important to use the correct language when explaining how to rearrange equations. Try to avoid unhelpful language that implies entities are moving e.g. 'move', 'shift', 'bring over' **instead use** 'get rid of', 'remove', 'have ... on the other side of equation', 'add ... to both sides of the equation', 'divide both sides of the equation by ...'

Competition Rules

Open to students from year 1 – transition year.

Two prize categories: first & second years and third & transition years

Students can work in groups of size 1-3.

Only one entry per group.

The maximum size of the bookmark is 105 x 297mm (A4 paper folded in half lengthways).

Use both sides of the bookmark.

Take a photo of both sides of your bookmark and email it to: mathematicsCork@mtu.ie

The subject of the email should be 'Maths Week Competition'

Include your name, your teacher and your school.

Closing date for entries is 5th November 2021.

Notification: Winners will be notified within 30 days of the close of the competition by email.

Judging: An independent panel of judges will select the winning entries.