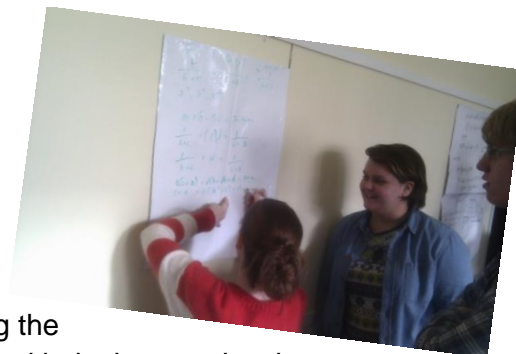


Weekly Mathematics Problem-Solving Workshops 2017-18 at the University of Liverpool

Year 12 and Year 13 students are invited to join a series of weekly mathematics problem-solving sessions taking place on Mondays from 4.30pm to 6.30pm at the University of Liverpool.

The sessions will offer students the opportunity to develop mathematical problem-solving skills through discussion and collaboration. They will help students to develop methods for tackling unfamiliar problems in mathematics and they will help with preparations for taking advanced papers such as MAT, STEP and AEA.



At the same time, the problems are fun and rewarding. Attending the sessions will greatly enrich students' mathematical experience and help them to develop a better understanding of A-Level mathematics courses.

INTRODUCTORY SESSION: *Monday 16th October 2017*

WEEKLY SESSIONS BEGIN: *Monday 30th October 2017*

To book places for students on this series of workshops, please complete the online booking form:

<https://docs.google.com/forms/d/e/1FAIpQLSfAsFbDXUHN1NC6onAYNjCh58z56Wxh83dkROFoOhOSybcp-Q/viewform>

[NOTE: Places are initially restricted to FIVE from Year 12 and FIVE from Year 13]

Some sample problems for you and your students to discuss:

Problem 1:

A is the point (1, 0) and B is the point (5, 6). The point P (x, y) lies on $2x + 3y = 15$.
Show that $PA = PB$.

Problem 2:

How many pairs of integers can you find that satisfy the equation $x^2 - y^2 = 45$?

For all enquiries, please contact Martin Bamber m.bamber@liv.ac.uk 0151 795 0345 / 07867 553684

For more information about the Further Maths Support Programme, including general information and details of CPD days and enrichment events, please also visit www.furthermaths.org.uk