



Bar Modelling to support Mathematical Understanding Workshop for secondary teachers

Sue Harkness – Area coordinator for the FMSP

Wednesday 4th November 2015

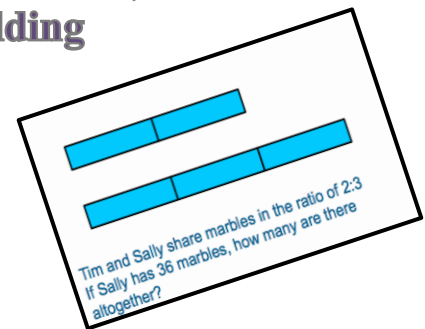
5pm to 7pm

(4.30pm – Registration and refreshments)

Hope University – Eden Building



**Bar Modelling:
a visual
approach to
problem solving**



The new GCSE places more emphasis on proportional reasoning. Many students find fractions decimals percentages and ratio baffling. The bar modelling gives students a visual model as an entry point to these topics helping them to understand what they are trying to find and how to go about finding it. These often get clouded when algorithms for solving these problems are introduced too early.

This session aims to explore how we can use the bar modelling approach to support problem solving and mathematical understanding with the emphasis on developing proportional reasoning skills.

Aims:

- **To develop an understanding of the Singapore bar modelling approach to problem solving**
- **To consider how bar modelling can bridge the gap between concrete mathematical experiences and abstract representations**

Cost: £50 per teacher. Additional teachers at the same school £25 each. Students free. There are discounts available (see below) for institutional members of the Liverpool Mathematical Society

Sue Harkness: sharkness.55@gmail.com Further details and an [online booking form](#) can be found here: <http://www.livmathsoc.org.uk/cgi-bin/sews.py?CPD>

Book now for this excellent CPD opportunity as places are limited

Fiona Gustard (administrator) gustarf@hope.ac.uk **Deadline 21st October 2015**

£20 discount for institutions joining in 2015/16, one teacher free for those joining for 5 years.

For details of subscriptions and to join the society, go to www.livmathsoc.org.uk, click on Membership