

Thursday, February 12th 2015

7pm for 7.30pm

University of Leeds

The MALL

Room 9.301, E C Stoner Building

Alan Slomson, President YBMA

Crossnumbers in the Classroom

1	2	3	4
	5		6
7			8
9		10	
		11	

Across

1 A Fibonacci number
5 This year
7 2^6
8 4 DOWN – 3 × 3 DOWN
9 A cube
11 7 DOWN + 7

Down

2 A square
3 $(2 + 0 + 1)! \times 5$
4 $1! + 2! + 3! + 4! + 5!$
6 The sum of the fourth powers of its digits

7 10×7 ACROSS + 1
10 A square

Crossnumbers can be used in the classroom to encourage pupils to practice mathematical skills, logical thinking and problem solving, in a format which many find attractive. The session will discuss the various possibilities and provide some useful tips for devising crossnumbers. It will be a "hands on" session, with those present working in groups to create their own crossnumbers.

Saturday, April 25th 2015,

1.30pm for 2pm

University of Leeds

The MALL

Room 9.301, E C Stoner Building

***Puzzles and Challenges –
ideas for the classroom***

Join us to have a go at a selection of UKMT and FunMaths Roadshow puzzles. They are a great way to develop mathematical thinking, discussions and problem solving. The resources have had excellent feedback from schools – why not try them out in your classroom?

**followed at 4pm by the AGM
with refreshments**

Note the venue

The School of Mathematics building at the University of Leeds is closed for refurbishment during 2014-2015. So our meetings are not in the usual place but in the E C Stoner Building.

For a map, please go to our website

<http://ybma.org.uk>

If you are lost or find the door is locked on the day of the meeting please phone Alan Slomson (07807 669 497) to get some help.

Please note that access is via a staircase.

**Subscription reminder
- please see page 2.**

W P Milne Lecture for Sixth Formers

at the University of Leeds

Wednesday March 25th 2015

at 2.30pm

Simon Singh

***The Simpsons and their
Mathematical Secrets***

Tickets are free to members and schools but must be booked in advance. For details and to book places please contact Alan Slomson, e-mail:

a.slomson@leeds.ac.uk

POP MATHS QUIZ

Saturday 14 March 11:00 - 13:00

Pupils compete in teams of six in this pub quiz style maths competition. For more information see

www.maths.leeds.ac.uk/popmaths

All schools are welcome to apply (maximum of two teams per school). Suitable for pupils in school years 7 and 8.

We welcome visitors at our meetings. Please bring them to the attention of your colleagues and friends and encourage them to come along. Our meetings are very friendly and include refreshments.

Is your subscription up to date?

If you would like to pay your YBMA subs by standing order from an internet bank account, the information you need is below.

Beneficiary details

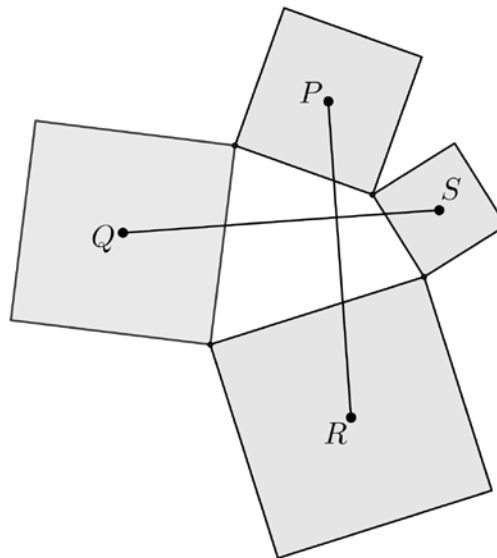
Beneficiary:	YBMA
Sort code:	30-98-93
Beneficiary account number:	01846170
Reference number:	[Your name] subs

Payment details

Frequency of payments:	Yearly
Amount:	£5

Please email the Treasurer (tim@devrx.org) to let him know that you have set up a standing order.

Mathematics in the Classroom



Draw any quadrilateral.

On each side of the quadrilateral draw a square outside the quadrilateral.

Find the centres, say P , Q , R and S , of these squares.

What do you notice about the line segments PR and QS ?

Can you prove that your observation holds in every case, no matter which quadrilateral you begin with?

Officers of the Yorkshire Branch of the Mathematical Association 2014-15

President: Alan Slomson (a.slomson@leeds.ac.uk)
Secretary: Bill Bardelang (rgb@bardelang.plus.com)
Treasurer: Tim Devereux (tim@devrx.org)

website: <http://ybma.org.uk>