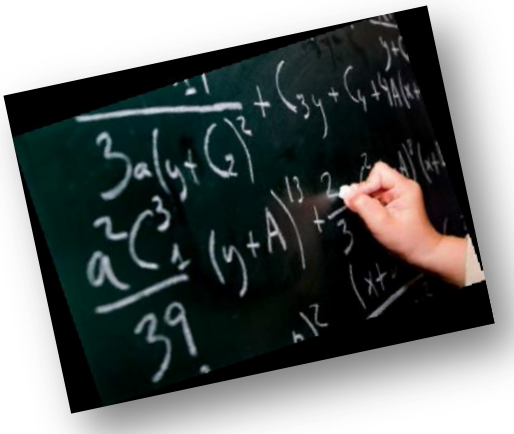
Maths Problem-Solving Sessions for Sixth Formers at Treviglas School, Newquay.

Year 12 students are invited to join a series of maths problem-solving sessions taking place on Wednesday from 13:00 to 16:00 at Treviglas School, Newquay, from January 2017 to March 2017.

The sessions offer students the opportunity to develop their problem-solving skills by trying out problems that require deeper mathematical thinking, and so help them improve their mathematical understanding.

The problems students will tackle are fun and rewarding. Attending the sessions will enrich students' mathematical experience.



Students will look at problems from a range of sources which may include the occassional problem from extension materials.

The sessions are aimed at students who would like to improve their mathematical fluency and may currently be targeting grades C or D at A level, although anyone who is studying A-level mathematics and who enjoys solving challenging problems will benefit from the sessions.

Sessions will take place at the Treviglas School, Bradley Road, Newquay with a variety of tutors.

Funding from the DfE has enabled this series of sessions to be free to students in state funded schools. Students from independent schools are welcome to attend the problem solving workshops at a cost of £50 per student. Students will be offered refreshments after each session and a problem-solving book.

WHO? Year 12 students who enjoy maths and solving problems.

WHEN? Wednesday 18th January, Wednesday 1st February, Wednesday 8th February, Wednesday 22nd February, Wednesday 8th March and Wednesday 29th March.

WHERE? Treviglas School, Bradley Road, Newquay, Cornwall, TR7 3JA.
Tel: 01637 872076 http://treviglas.net/contact/how-to-find-us/

If you have any questions then please e-mail Heather Davis
heatherdavis@furthermaths.org.uk or margaretharding@furthermaths.org.uk

Fill in the form to register students
https://goo.gl/forms/d3HO6HF9E3loqugO2

Some problems for you and your students to try!

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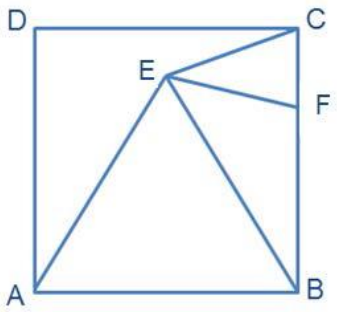
The diagram shows a square ABCD and an equilateral triangle ABE. The point F lies on BC so that EC = EF. Calculate the angle FEB.



A particular four-digit number N is such that

a) the sum of N and 74 is a square; and

b) the difference between N and 15 is also a square.

What is the number N?
