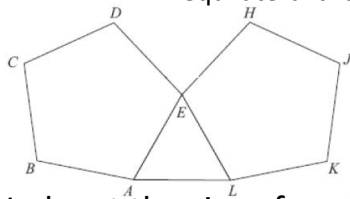


## May Half Term GCSE Top 10 - H

#561,563

Two regular pentagons and an equilateral triangle



Work out the size of angle DEH

#94

Steve invests £4500 at a compound interest rate of 5% per annum. At the end of  $n$  years the investment has grown to £5469.78. Find the value of  $n$

#246

Solve the simultaneous equations

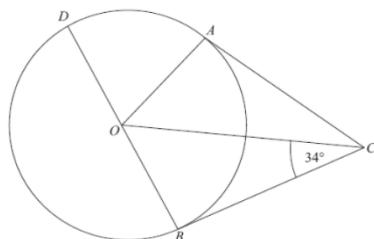
$$\begin{aligned}x^2 + y^2 &= 5 \\ y &= 3x + 1\end{aligned}$$

#284

Make  $k$  the subject of the formula

$$m = \sqrt{\frac{k^3 + 1}{4}}$$

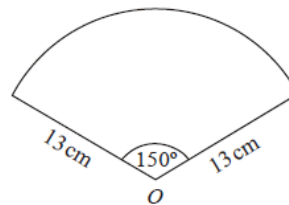
#604



Work out the size of angle DOA

Work out the area of the sector

#546

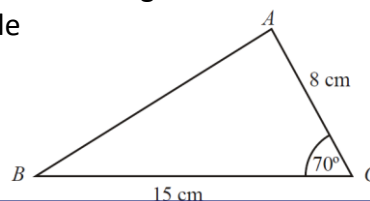


#54

Write  $0.4\bar{1}$  as a fraction in its simplest form.

#527, 518

Work out the length AB and the area of the triangle



#248

Work out the formula for the  $n$ th term of the quadratic sequence: 5, 11, 19, 29, ...

#229

Simplify fully:

$$\frac{2x^2 + 3x + 1}{x^2 - 3x - 4}$$