

**11th April**

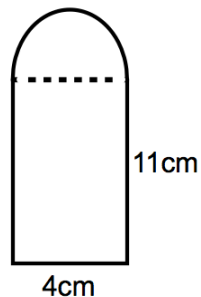
Corbettmaths

Write 4240000 in standard form

Write 4 million in standard form.

Sebastian leaves £3000 in the bank for two years. It earns compound interest of 2% per year.

Calculate the total amount Sebastian has in the bank at the end of the two years.

Solve  $y^2 + 7y + 10 = 0$ 

Shown is a compound shape made from a rectangle and semi-circle. Calculate the area of the shape.

$$\mathbf{a = \begin{pmatrix} -4 \\ -1 \end{pmatrix} \quad b = \begin{pmatrix} 5 \\ 3 \end{pmatrix}}$$

Work out the vector  $\mathbf{a - b}$