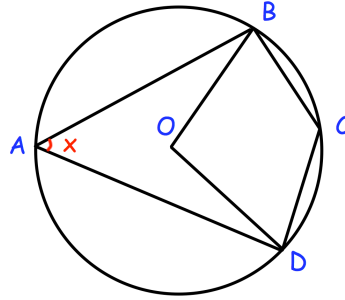


20th July

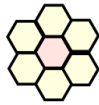


Corbettmaths

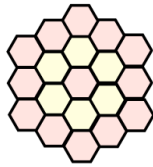
$$\angle BAD = x$$

Express $\angle BCD$ in terms of x Express the obtuse $\angle BOD$ in terms of x 

Pattern 1



Pattern 2



Pattern 3

How many of these tiles are needed to make Pattern number 20?

Given that $\sin \theta = \frac{15}{17}$

Work out the **two** possible values of $\cos \theta$

Solve the equation

$$4x^4 - 11x^2 + 6 = 0$$