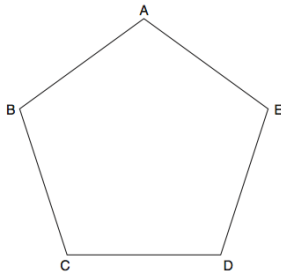


**20th March**

Corbettmaths



Shown is a regular pentagon.

Find angle ABC.

A empty circular swimming pool has radius 10m and height 2m.  
The pool is going to be filled at a rate of 20 litres a minute.  
How long will it take to fill the pool?

Work out the gradient of the straight line that passes through (2, 6) and (6, 12).

Natalie invests £800 for 2 years at 10% per year compound interest.

How much interest does she earn?

A container exerts a force of 2000 Newtons on the floor.  
The pressure on the table is 50 Newtons/m<sup>2</sup>

Calculate the area of the container that is in contact with the table.