5th March **Higher Plus 5-a-day**

Corbettmaths

A circle has the equation $x^2 + y^2 = 121$

Find the area of the circle.
Give your answer in terms of π

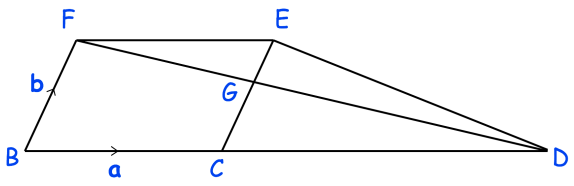
C is inversely proportional to the square of A.
Both A and C are positive.

When A = 3, C = 10.

Find the value of A when C = 5.

Write $0.2\dot{5}\dot{3}$ as a fraction

BCEF is a parallelogram.
The point C is a point on the line BCD such that BC : CD = 4 : 7
FD and CE meet at the point G.



$\overrightarrow{BC} =$ **a** $\overrightarrow{BF} =$ **b**

Work out $\overrightarrow{GD}$
in terms of **a** and **b**

Give your answer in its simplest form.