

12th May



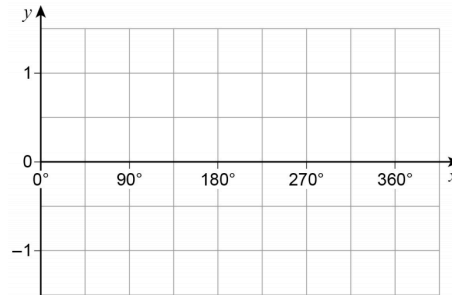
Corbettmaths

Write as a power of 3

$$\sqrt[3]{9}$$

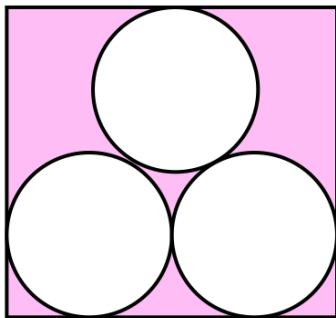
$$f(x) = x - 180$$

$$g(x) = \cos x$$

Draw $y = gf(x)$ 

Simplify fully

$$\frac{3\cos(45^\circ) - \sin(45^\circ)}{\tan(30^\circ)}$$



Shown above are three congruent circles. Each circle touches the other two circles and the sides of the rectangle.

The radius of each circle is 30cm.

Find the shaded area.