

**26th March**

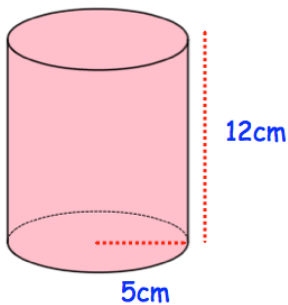
Corbettmaths

Write down the formula to work out frequency density

$y$  varies directly with the cube of  $x$

$$y = 108 \text{ when } x = 3$$

Express  $y$  in terms of  $x$



Calculate the surface area



When attempting to catch the ball, the probability Gary is successful is 0.8  
During the game, Gary attempts two catches.

Find the probability Gary is unsuccessful with both catches.

Find the exact value of  $\sin(30^\circ) + \cos(60^\circ)$