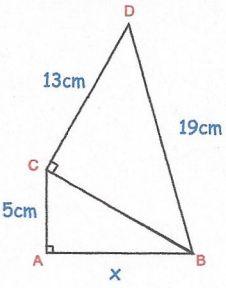
Name: _____ 5-a-day Higher

30th October

Corbettmaths



$BC^2 = 19^2 - 13^2$

$BC^2 = 192$

$BC = 13.8564$

ABC and BCD are right angle triangles.

Find the length of AB

$AB^2 = 13.8564^2 - 5^2$

$AB^2 = 167$

$AB = 12.923\text{ cm}$

$(2.5 \times 10^5) \div (5 \times 10^{-4})$

0.5×10^9

5×10^8

A circle has an area of 500cm² to the nearest 10cm².

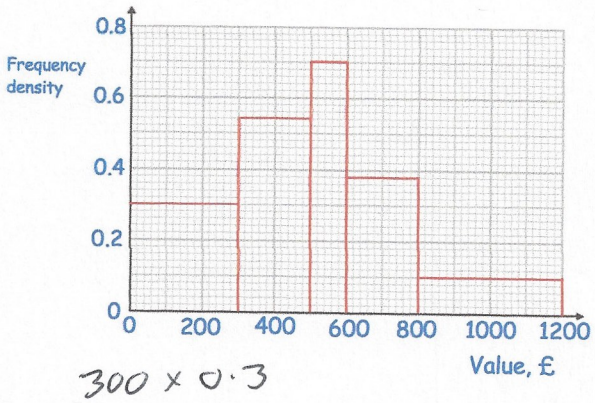
Work out the lower bound of the radius

Min A = 495

$\pi \times r^2 = 495$

$r^2 = 157.56...$

$r = 12.5524\text{ cm}$



300×0.3

200×0.54

100×0.7

200×0.38

400×0.1

Use the histogram to complete the frequency table.

Values, v	Frequency
$0 < v \leq 300$	90
$300 < v \leq 500$	108
$500 < v \leq 600$	70
$600 < v \leq 800$	76
$800 < v \leq 1200$	40