

16th September



Corbettmaths

$$-8 \leq 2y < 3$$

$-4 \leq y < 1.5$   
y is an integer.

Write down all the possible values of y.

$-4, -3, -2, -1, 0, 1$

A circle has area  $80\text{cm}^2$ .

Find the circumference.

$$\begin{aligned} \pi r^2 &= 80 \\ r^2 &= 25.46... \\ r &= 5.046... \end{aligned}$$

$$d = 10.0925...$$

$$C = \pi \times d$$

$$C = 31.707\text{cm}$$

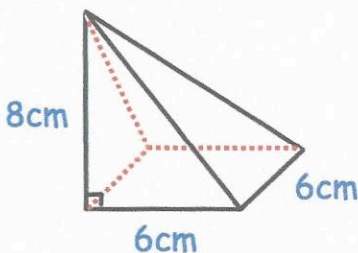
Write as a fraction

$$5^{-3} = \frac{1}{5^3} = \frac{1}{125}$$

Without using a calculator, work out.

$$\sqrt{4.9 \times 10^{11}}$$

$$\sqrt{49 \times 10^{10}} = 7 \times 10^5 \quad \text{or} \quad 700000$$



$$V = \frac{1}{3} Ah$$

$$A = 6 \times 6 = 36$$

Find the volume of this pyramid

$$\begin{aligned} V &= \frac{1}{3} \times 36 \times 8 \\ V &= 96\text{cm}^3 \end{aligned}$$