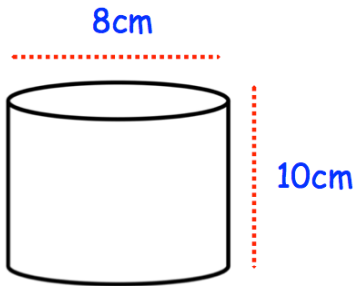


**2nd July**

Corbettmaths

Solve

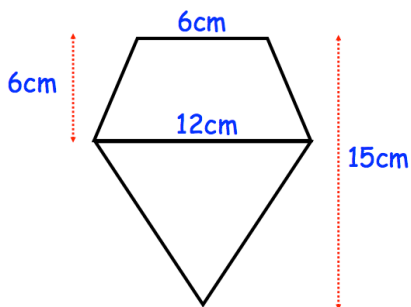
$$\frac{16 - x}{5} = 2 + x$$



Calculate the volume.  
Give your answer in terms of  $\pi$

Time (t minutes)	Frequency
$0 < t \leq 10$	8
$10 < t \leq 20$	7
$20 < t \leq 30$	2
$30 < t \leq 40$	12
$40 < t \leq 50$	1

Work out the estimated mean



Work out the area of the logo.

$$a = \begin{pmatrix} 6 \\ -4 \end{pmatrix} \quad b = \begin{pmatrix} -2 \\ 1 \end{pmatrix}$$

Work out  $2a - 3b$