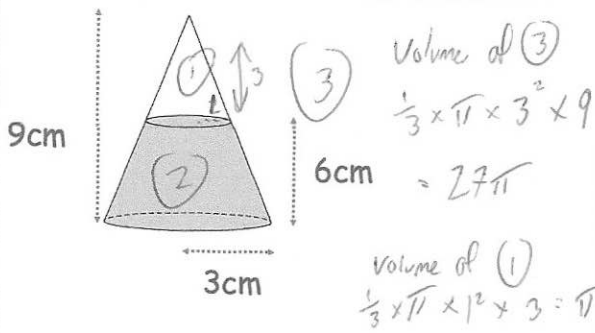


1st June



Corbettmaths



Find the volume of liquid in the container

Volume of (2) = 26π
 $= 81.68 \text{ cm}^3$

The table shows the waiting times of patients at a doctors surgery.

Time, t (minutes)	Frequency
$0 < t \leq 10$	24
$10 < t \leq 20$	31
$20 < t \leq 30$	50
$30 < t \leq 40$	35
$40 < t \leq 50$	60

200

$20 + \frac{45}{50} \times 10 = 29$

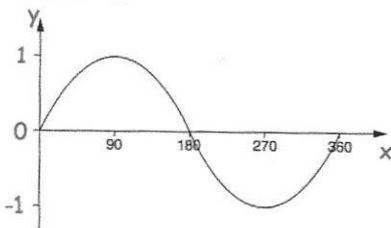
Find an estimate of the median wait time.

29 minutes

Two patients are picked at random. Find the probability that both patients waited more than 30 minutes.

$\frac{95}{200} \times \frac{94}{199} = \frac{893}{3980}$

Here is the graph of $y = \sin(x)$ for $0 \leq x \leq 360$



One solution of $\sin x = -0.5$ is $x = 330^\circ$

Find another solution of $\sin x = -0.5$

210°

Solve the equations

$2x + y = 11$
 $2x^2 - y^2 = 23$

$x = 4, y = 3$
 or $x = 18, y = -25$