

31st March



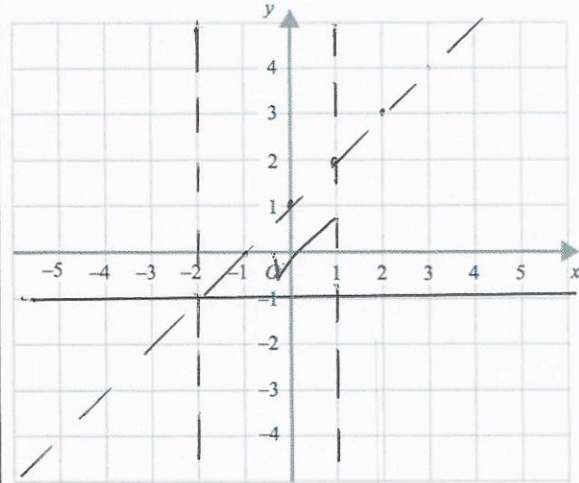
Corbettmaths

Circle the values which are rational

4^0 $\sqrt{64}$ $\sqrt{3}$
 $100^{0.5}$ π

Show the region which satisfies

$-2 < x < 1$
 $y \geq -1$
 $y < x + 1$

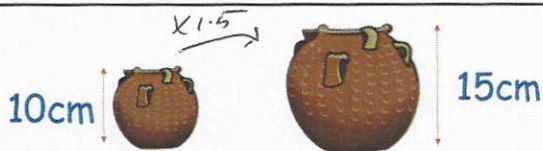


Weight (kg)	Frequency
$0 < w \leq 50$	4
$50 < w \leq 100$	12
$100 < w \leq 150$	40
$150 < w \leq 200$	48
$200 < w \leq 250$	16

$f \times x$
 100
 900
 5000
 8400
 3600
 120 18000

Calculate an estimate of the mean

$18000 \div 120 = 150$



The small vase holds 700ml of water.
How much does the larger vase hold?

700×1.5^3
 2362.5 ml
 or 2.3625 Litres