25th April

Corbettmaths

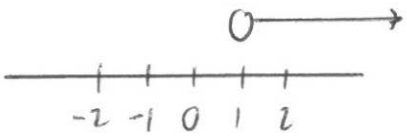
Solve the inequality $2x + 9 > 19 - 8x$

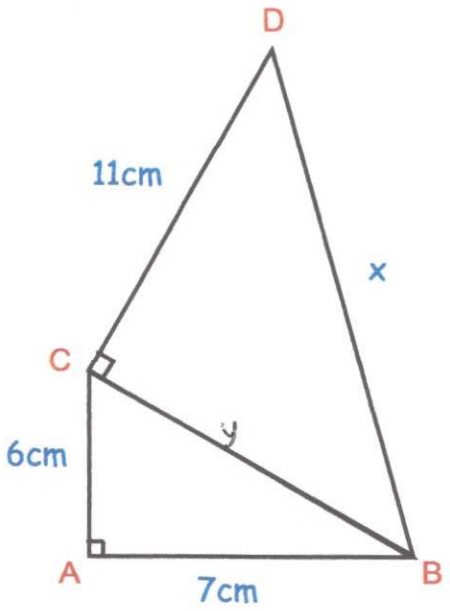
$10x + 9 > 19$

$10x > 10$

$x > 1$

Sketch the range of possible solutions on a number line.





Find x

$y^2 = 6^2 + 7^2$

$y^2 = 36 + 49$

$y^2 = 85$

$y = \sqrt{85}$ or $9.219...$

$x^2 = 11^2 + (9.219...)^2$

$x^2 = 206$

$x = \sqrt{206}$ or $14.3527...$

$y = x^3$

Complete the table of values and draw a graph

x	-2	-1	0	1	2
y	-8	-1	0	1	8