29th February

Corbettmaths

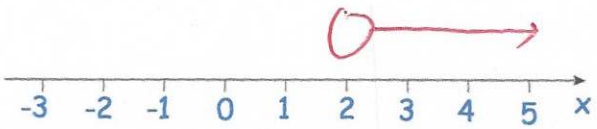
Write 85000 in standard form

8.5×10^4

Write 0.0007 in standard form

7×10^{-4}

Represent the inequality $x > 2$ on this number line.



Solve these simultaneous equations

$2x + 3y = 9$ $\times 2$
$3x + 2y = 1$ $\times 3$

$4x + 6y = 18$
$9x + 6y = 3$
$-5x = 15$

$x = -3$

$-9 + 2y = 1$
$2y = 10$
$y = 5$

check
$-6 + 15 = 9$ ✓

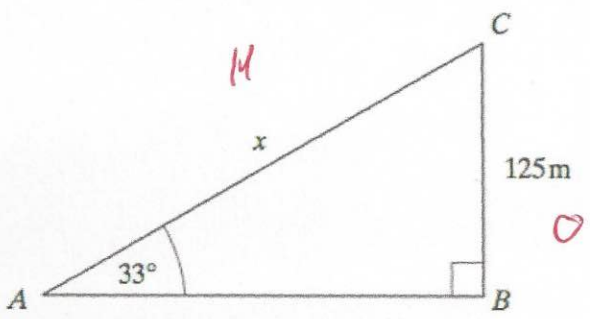
$x = -3$
$y = 5$

Time, t (seconds)		Frequency	fx
$120 \leqslant t < 150$	135	12	1620
$150 \leqslant t < 180$	165	17	2805
$180 \leqslant t < 210$	195	21	4095
		50	8520

Calculate an estimate of the mean.

$8520 \div 50 =$

170.4



Calculate x

5^0 M

$M = \frac{O}{\sin x} = \frac{125}{\sin 33}$

$x = 229.51$m