

9th September



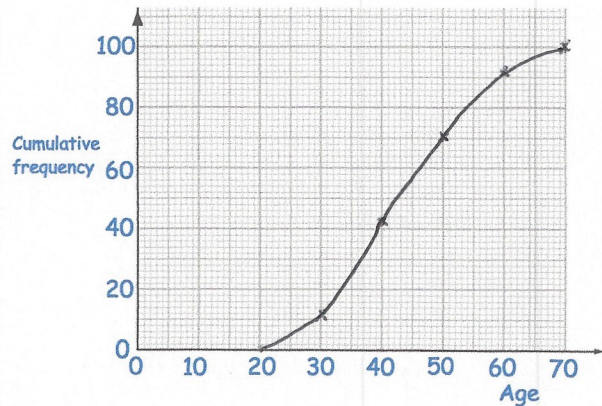
Corbettmaths

Factorise

$$x^2 - y^2$$

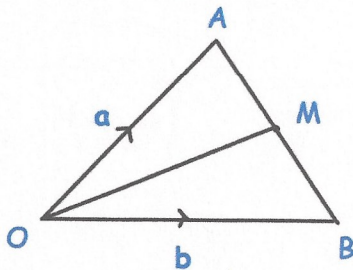
$$(x-y)(x+y)$$

Age, x years	Frequency	Cumulative frequency
$20 < x \leq 30$	12	12
$30 < x \leq 40$	30	42
$40 < x \leq 50$	28	70
$50 < x \leq 60$	22	92
$60 < x \leq 70$	8	100



(a) Complete the cumulative frequency column in the table.

(b) Draw a cumulative frequency graph for this information.



M is the midpoint of AB

Find the vector

\vec{AB}

$$-a + b$$

Line 1 has gradient 4 and passes through the point (3, 10).

What is its equation?

$$y = 4x - 2$$

Write down the equation of a line perpendicular to line 1.

$$y = -\frac{1}{4}x + 7$$