

9th September

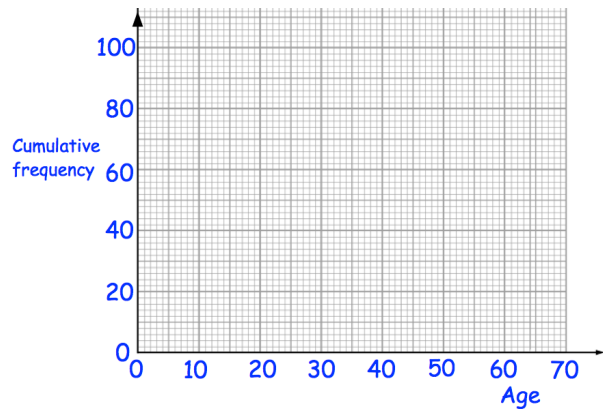


Corbettmaths

Factorise

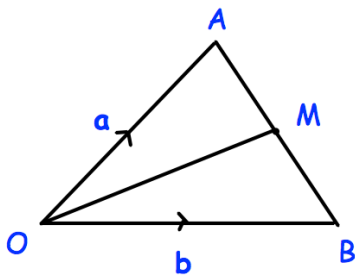
$$x^2 - y^2$$

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



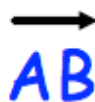
(a) Complete the cumulative frequency column in the table.

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



M is the midpoint of AB

Find the vector



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

What is its equation?

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