15th January
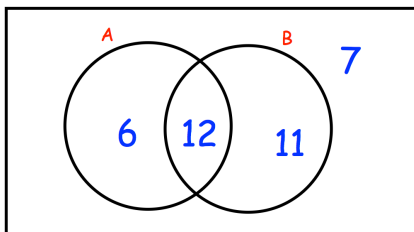
Corbettmaths

Factorise completely

$x^3 - 25x$

The square of w is 5

Write down the value of w^5

ξ

Find the probability of B given A.

Weight (x kg)	Frequency
$60 < x \leq 64$	10
$64 < x \leq 68$	20
$68 < x \leq 72$	30
$72 < x \leq 76$	15
$76 < x \leq 80$	18
$80 < x \leq 84$	7

Calculate an estimate of the median

A curve has equation $y = ax^2 + bx + c$

The curve crosses the x-axis at (3, 0) and (4, 0)

The curve crosses the y-axis at (0, 12)

Find the values of a, b and c.