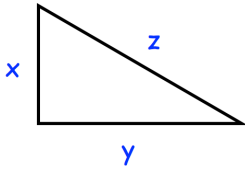


9th September



Corbettmaths

Shown is a right angle triangle



$y = 8.5\text{cm}$ correct to the nearest mm
 $z = 9.6\text{cm}$ correct to the nearest mm

Calculate the lower bound for x .

Given

$$3x - 4 : x + 1 = 2x + 9 : 4x$$

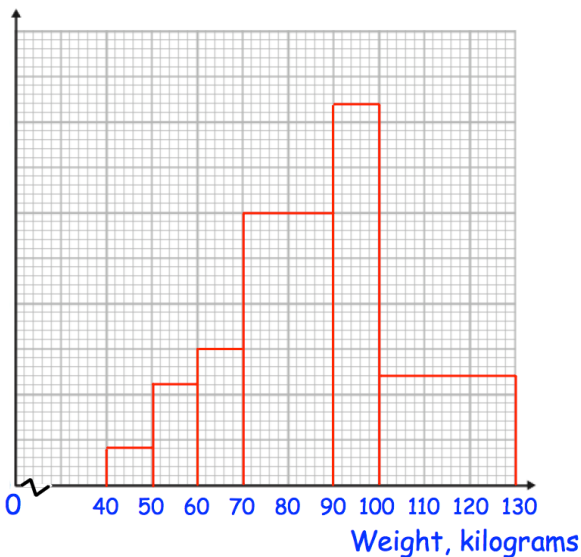
Find the possible values of x

Here are the first 5 terms of a quadratic sequence

4 10 18 28 40

Find an expression, in terms of n , for the n th term of this quadratic sequence.

The histogram shows the weights in kilograms of 504 athletes.



45 athletes weigh under 60kg.
 Calculate an estimate of the number of athletes between 70 and 95kg.