

30th March

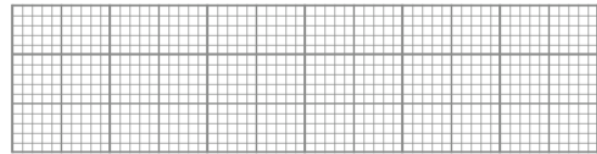
Corbettmaths

Every time a ball bounces of a surface, it rises to $\frac{4}{5}$ of the previous height.

A ball is dropped from 5 metres and it allows to bounce freely.

What is the smallest number of bounces until its rebound height is less than 3 metres?

The lightest female rugby player is 50kg.
The lower quartile is 62kg.
The median is 72kg.
The range is 40kg and interquartile range is 20kg.



Draw a box plot to show this information

Work out

$$\left(\frac{9}{25}\right)^{\frac{1}{2}}$$

Factorise $7x^2 + 8x + 1$

Prove

$$(x + 2)(x - 3) \equiv (x - 2)(x + 1) - 4$$