Name: _____ 5-a-day Higher

**29th June**

Corbettmaths

Work out

$16^{0.5}$

4

The heights of 6 plants are listed below. Each height is given to one decimal place.

| | | |
|---|---|---|
| 4.5cm | 7.2cm | 8.1cm |
| 9.6cm | 9.1cm | 3.1cm |

Work out the largest possible range.

$9.65 - 3.05 = 6.6$

w is directly proportional to $a^2$

When w = 50, a = 10

Find w when a = 5.

$w \propto a^2$

$w = k \times a^2$

$50 = k \times 100$

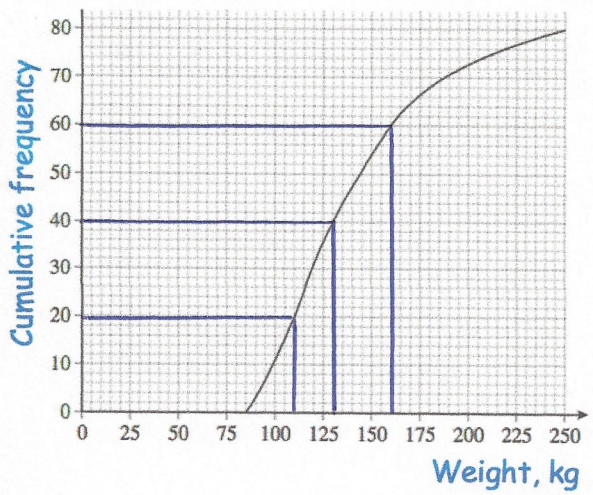
$k = 0.5$

$w = 0.5a^2$

$w = 0.5 \times 5^2$

$= 0.5 \times 25$

$= 12.5$




The cumulative frequency diagram shows the weight of 80 animals

What is the median?

130

What is the interquartile range?

$160 - 110 = 50$