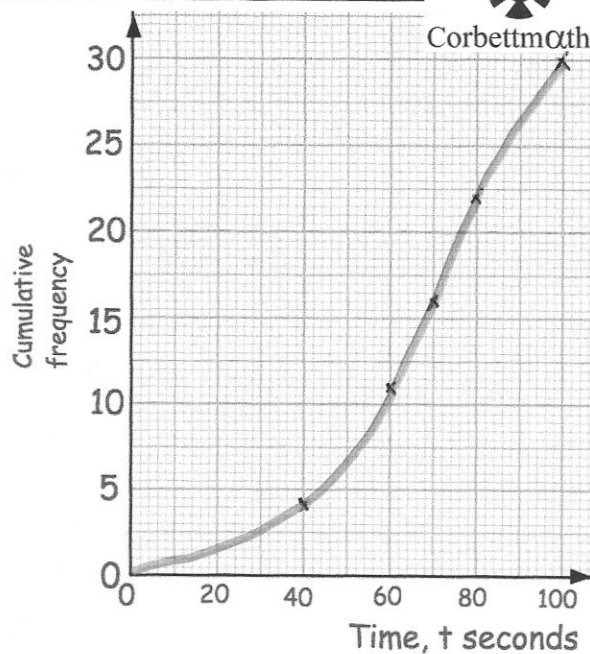




Time, (t)	Cumulative frequency
$0 < t \leq 40$	4
$0 < t \leq 60$	11
$0 < t \leq 70$	16
$0 < t \leq 80$	22
$0 < t \leq 100$	30



Draw a cumulative frequency graph for this information.

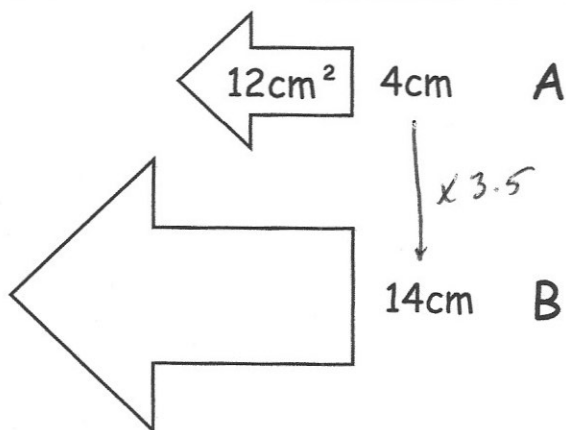
Work out

$$36^{\frac{1}{2}} + 8^{\frac{1}{3}} \times 27^{\frac{2}{3}}$$

$$6 + 2 \times 9$$

$$6 + 18$$

24



Shown are two arrows that are mathematically similar.  
The area of the arrow A is  $12\text{cm}^2$   
Find the area of the arrow B.

$$12 \times 3.5^2 = 147\text{cm}^2$$

4 6 3 6 53 2 7 8 1

Explain why the mean is not an appropriate average to use.

Outliers (53) affect the mean.