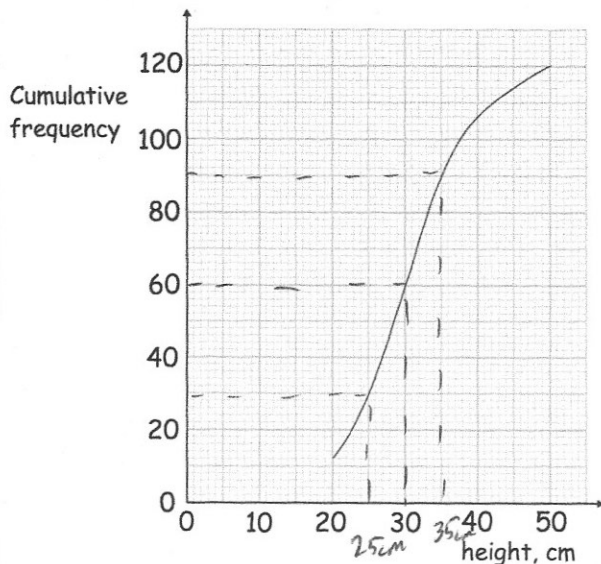




The cumulative frequency graph shows the heights of 120 sunflowers.

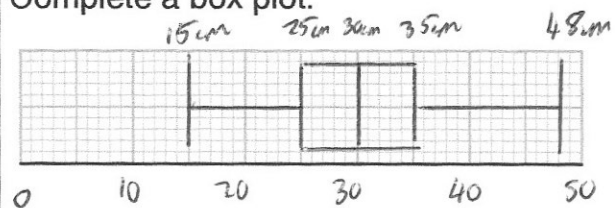


Find an estimate of the median height.

30 cm

The smallest sunflower was 15cm tall.
The tallest was 48cm tall.

Complete a box plot.



Jamie, Fred and Luis each take a penalty

The probability Jamie scores is $\frac{4}{5}$

The probability Fred misses is $\frac{2}{3}$

The probability Luis scores is $\frac{3}{4}$

What is the probability that all three miss?

$$\frac{1}{5} \times \frac{2}{3} \times \frac{1}{4} = \frac{2}{60}$$

$$\frac{1}{30}$$

A circle has an area of 120cm^2 to the nearest 10cm^2 .

$$120 = 125$$

Work out the upper bound of the radius

$$\pi r^2 = 125$$

$$r^2 = \frac{125}{\pi}$$

$$r = \sqrt{\left(\frac{125}{\pi}\right)}$$

$$= 6.308 \text{ cm}$$

Solve

$$5y^2 - 4y - 1 = 0$$

$$(5y+1)(y-1) = 0$$

$$y = -\frac{1}{5} \text{ or } y = 1$$