Make a **box plot** of the data set.

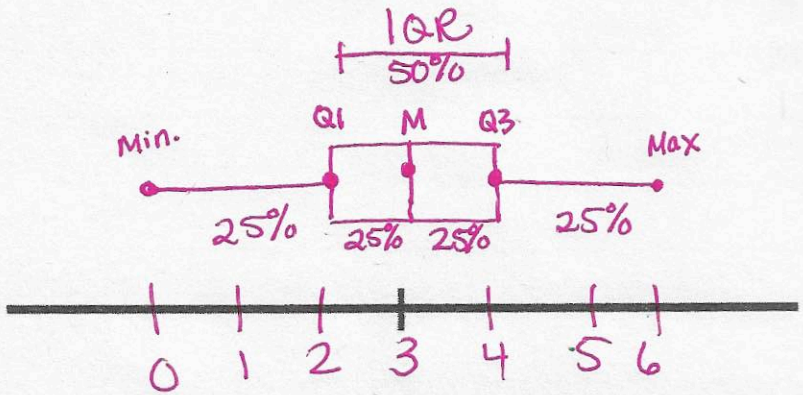
For a science experiment, students planted seedlings and measured their height one month later. In centimeters, the measurements were: 4, 2, 3, 2, 2, 4, 3, 4, 4, 4, 3, 5, 5, 0, 1, 3, 6

1. Identify and plot the minimum 0 and maximum 6
2. Calculate and plot the median, quartile 1 and quartile 3
3. "Box in" the quartiles
4. Label the charts and axis

0, 1, 2, 2 | 2, 3, 3, 3, (3) 4, 4, 4, 4 | 5, 5, 6

(2) Q1 — M — (4) Q3

IQR = 4 − 2 = (2)



Interpret the box plot: The box plot shows how the data is distributed.

- 25% of the plants grew 0-2 cm (Below Q1)
- 25% grew 4-6 cm (above Q3)
- 50% grew 2-4 cm (IQR Box)

Skewed right

Skewed left

Symetric