

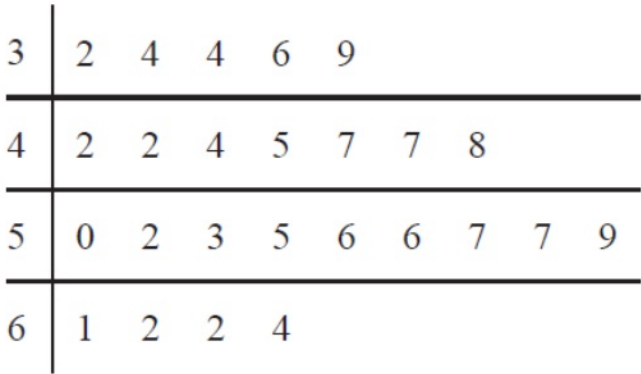
# P34- Interquartile Range

OCR

Edexcel

9 Here is a stem and leaf diagram for the heights, in mm, of 25 seedlings.

P16  
P34



Key:  
3|2 represents 32 mm

Work out the interquartile range.

..... mm

**(Total for Question 9 is 2 marks)**

9 Here is a stem and leaf diagram for the heights, in mm, of 25 seedlings.

P16  
P34

3	2	4	4	6	9				
4	2	2	4	5	7	7	8		
5	0	2	3	5	6	6	7	7	9
6	1	2	2	4					

$$\text{IQR} = \text{UQ} - \text{LQ} \\ 57 - 42 = 15 \text{ mm}$$

Key:

3|2 represents 32 mm

Work out the interquartile range.

$$25 + 1 = 26$$

$$\text{LQ} = \frac{1}{4}(26) = 6.5^{\text{th}}$$

$$\text{UQ} = \frac{3}{4}(26) = 19.5^{\text{th}}$$

..... 15 mm ✓

(Total for Question 9 is 2 marks)

AQA