

Calculating Median and IQR Exercises

1. The number of rooms occupied in a hotel on any night

Number of Rooms	Frequency
10	8
11	12
12	23
13	16
14	17
15	12

Find the Q_1 , Q_2 , Q_3 and the IQR

2. The distances, in centimetres, achieved by children in a 'standing' jump.

Jump j (cm)	Frequency
$40 \leq j < 60$	3
$60 \leq j < 80$	9
$80 \leq j < 90$	7
$90 \leq j < 100$	6
$100 \leq j < 110$	5
$110 \leq j < 130$	7
$130 \leq j < 150$	3

Find Q_2 .

3. The distances, in centimetres, achieved by children in a 'standing' jump.

Jump j (cm)	Frequency
$40 \leq j < 60$	3
$60 \leq j < 80$	9
$80 \leq j < 90$	7
$90 \leq j < 100$	6
$100 \leq j < 110$	5
$110 \leq j < 130$	7
$130 \leq j < 150$	3

Find Q_1 , Q_3 and IQR.