

Median, Quartiles, Deciles and Percentiles from Raw Data

Question 1.

47 42 60 49 37 40 17

Median =

$Q_1 =$

$Q_3 =$

IQR =

$D_6 =$

$D_2 =$

$P_{35} =$

$P_{86} =$

Question 2.

53 51 48 54 52 51 59 53 57 62

Median =

$Q_1 =$

$Q_3 =$

IQR =

$D_6 =$

$D_2 =$

$P_{35} =$

$P_{86} =$

Question 3.

87 84 83 79 82 90 73 84 87 78 91 81

Median =

$Q_1 =$

$Q_3 =$

IQR =

$D_6 =$

$D_2 =$

$P_{35} =$

$P_{86} =$

Question 4.

37 42 63 97 41 42 47 39 17 40 43 49 43 52

Median =

$Q_1 =$

$Q_3 =$

IQR =

$D_6 =$

$D_2 =$

$P_{35} =$

$P_{86} =$

Medians, Quartiles, Deciles and Percentiles from Discrete Frequency Tables

Question 1.

Height (cm)	No. people	
150	4	
151	6	
152	3	
153	2	
154	1	

Median =

Q1 =

Q3 =

IQR =

Question 2.

Weight (kg)	No. people	
35	2	
36	5	
37	3	
38	1	
39	1	

Median =

IQR =

14th Percentile =

3rd Decile =

Question 3.

Hand span (cm)	No. people	
10	3	
11	4	
12	7	
13	2	
14	1	

Median =

IQR =

84th Percentile =

8th Decile =

Median, Quartiles, Deciles and Percentiles from Grouped Frequency Tables

Question 1.

Find the median and inter-quartile range of the heights for this table of data.

Height (cm)	No. people	
120 - 129	5	
130 - 139	10	
140 - 149	13	
150 - 159	8	
160 - 169	1	

Question 2.

Find D_2 and P_{57} for the hand spans in this table of data.

Hand span (cm)	No. people	
10.0 - 10.5	5	
10.5 - 11.0	6	
11.0 - 11.5	10	
11.5 - 12.0	8	
12.0 - 12.5	7	