1. In a class test, the marks obtained by 8 students are

   29 29 27 36 39 44 31 48

   Find the lower quartile.

   (i) 10   (ii) 21   (iii) $35\dfrac{3}{8}$ (iv) 29   (v) 39

2. In a class test, the marks obtained by 11 students are

   38 16 27 27 38 15 27 26 50 30 29

   Find the upper quartile.

   (i) 26   (ii) $29\dfrac{4}{11}$ (iii) 35   (iv) 38   (v) 12

3. In a class test, the marks obtained by 12 students are

   28 16 47 49 19 22 35 47 12 34 10 19

   Find the inter quartile range.

   (i) $28\dfrac{1}{6}$ (ii) $9\dfrac{1}{2}$ (iii) 19   (iv) 39   (v) 35

4. In a class test, the marks obtained by 8 students are

   17 43 19 32 32 37 41 31

   Find the semi-inter quartile range.

   (i) 37   (ii) 19   (iii) 9   (iv) $31\dfrac{1}{2}$ (v) 18

5. Heights of 47 students are given below. Find the first quartile.

Height (in cm)	126	129	136	137	141	146	158	162	163	171
No. of students	5	2	8	4	6	4	7	6	1	4

   (i) 135   (ii) 136   (iii) 134   (iv) 137   (v) 138

6. Heights of 47 students are given below. Find the third quartile.

Height (in cm)	125	129	138	140	142	154	155	156	161	163	165	175
No. of students	5	3	3	7	4	1	1	5	1	6	4	7

   (i) 162   (ii) 163   (iii) 161   (iv) 165   (v) 164

7. Heights of 49 students are given below. Find the interquartile.

Height (in cm)	127	128	145	150	158	159	160
No. of students	7	3	11	6	6	9	7

   (i) 16   (ii) 14   (iii) 15   (iv) 12   (v) 13

In a class test, the marks obtained by 9 students are

8. 16 46 35 20 14 31 26 13 43

   Find the lower quartile.

   (i) 24 (ii) $27\frac{1}{9}$ (iii) 33 (iv) 15 (v) 39

In a class test, the marks obtained by 12 students are

9. 36 31 41 15 49 26 14 20 28 28 41 18

   Find the upper quartile.

   (i) $28\frac{11}{12}$ (ii) 9 (iii) 35 (iv) 36 (v) 18

In a class test, the marks obtained by 9 students are

10. 44 17 13 15 16 28 13 14 24

   Find the inter quartile range.

   (i) $13\frac{1}{2}$ (ii) $12\frac{1}{2}$ (iii) $6\frac{1}{4}$ (iv) 26 (v) 31

In a class test, the marks obtained by 8 students are

11. 38 37 24 50 48 45 48 32

   Find the semi-inter quartile range.

   (i) 48 (ii) 8 (iii) 26 (iv) $40\frac{1}{4}$ (v) 16

Heights of 40 students are given below. Find the first quartile.

12.

Height (in cm)	126	132	137	139	143	145	149	165	167
No. of students	6	7	4	2	3	4	3	5	6

   (i) 131 (ii) 132 (iii) 130 (iv) 133 (v) 134

Heights of 37 students are given below. Find the third quartile.

13.

Height (in cm)	128	130	147	148	152	158	160	163	167	170
No. of students	3	4	3	2	3	5	4	4	5	4

   (i) 164 (ii) 163 (iii) 166 (iv) 167 (v) 165

Heights of 45 students are given below. Find the interquartile.

14.

Height (in cm)	130	137	141	148	161	169	170	171	172	173	175
No. of students	2	2	2	4	7	2	4	10	5	4	3

   (i) 10 (ii) 9 (iii) 11 (iv) 13 (v) 12

Assignment Key

1) (iv)	2) (iv)	3) (iii)	4) (iii)	5) (ii)	6) (ii)
7) (ii)	8) (iv)	9) (iv)	10) (ii)	11) (ii)	12) (ii)
13) (v)	14) (iii)				