



In a class test, the marks obtained by 10 students are

1. 40 36 24 26 42 22 38 15 36 43

Find the lower quartile.

- (i) 16 (ii) 8 (iii) 39 (iv) $32\frac{1}{5}$ (v) 23

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

2. 10 18 20 35 32 21 38 44

Find the upper quartile.

- (i) 17 (ii) 18 (iii) 34 (iv) 35 (v) $8\frac{1}{2}$

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

3. 33 15 33 36 48 19 47 22 10

Find the inter quartile range.

- (i) 17 (ii) 38 (iii) $24\frac{1}{2}$ (iv) $41\frac{1}{2}$ (v) $29\frac{2}{9}$

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

4. 27 36 45 21 20 10 44 17 28 47 12

Find the semi-inter quartile range.

- (i) 27 (ii) 17 (iii) $13\frac{1}{2}$ (iv) $27\frac{10}{11}$ (v) 37

Heights of 35 students are given below. Find the first quartile.

5.

Height (in cm)	126	149	158	161	166	168	169	171	175
No. of students	1	3	2	5	8	5	3	4	4

- (i) 161 (ii) 159 (iii) 160 (iv) 162 (v) 163

Heights of 42 students are given below. Find the third quartile.

6.

Height (in cm)	135	136	157	159	160	166	169
No. of students	2	4	8	5	5	10	8

- (i) 166 (ii) 165 (iii) 167 (iv) 168 (v) 164

Heights of 44 students are given below. Find the interquartile.

7.

Height (in cm)	133	151	156	159	162	173	174	175
No. of students	5	13	3	4	5	6	4	4

- (i) 21 (ii) 22 (iii) 23 (iv) 24 (v) 20

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

8. 10 43 43 24 48 49 18 21

Find the lower quartile.

- (i) $12\frac{1}{2}$ (ii) 25 (iii) 18 (iv) 32 (v) 39

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

9. 15 15 19 41 33 45 47 43 10

Find the upper quartile.

- (i) 15 (ii) $29\frac{7}{9}$ (iii) $14\frac{1}{2}$ (iv) 44 (v) 37

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

10. 45 26 48 40 30 32 34 38 46 14 35

Find the inter quartile range.

- (i) 45 (ii) 30 (iii) 15 (iv) $7\frac{1}{2}$ (v) 34

In a class test, the marks obtained by 10 students are

11. 16 25 14 25 29 49 10 20 22 43

Find the semi-inter quartile range.

- (i) 39 (ii) $25\frac{3}{10}$ (iii) 15 (iv) 6 (v) 27

Heights of 30 students are given below. Find the first quartile.

12.

Height (in cm)	130	135	136	146	151	158	162	172	175
No. of students	7	3	2	2	3	3	2	5	3

- (i) 132.5 (ii) 134.5 (iii) 130.5 (iv) 133.5 (v) 131.5

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

13.

Height (in cm)	130	132	138	140	141	144	146	149	157	164	171	174
No. of students	6	5	2	2	2	2	3	6	2	4	5	1

- (i) 157 (ii) 158 (iii) 155 (iv) 156 (v) 159

Heights of 41 students are given below. Find the interquartile.

14.

Height (in cm)	130	131	134	135	148	164	165
No. of students	6	7	8	1	9	2	8

- (i) 23 (ii) 25 (iii) 27 (iv) 24 (v) 26

Assignment Key

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