

Measures of Position for Ungrouped Data: Quartiles

Quartiles: the score points which divide a distribution into four equal parts

Position of  $Q_k = \frac{k}{4}(n+1)_{th}$

Interquartile Range: the difference between  $Q_3$  and  $Q_1$

$IQR = Q_3 - Q_1$

Practice Exercises

Solve the following problem completely.  
Given 50 multiple-choice items in their final test in Mathematics, the scores of 16 students are the following:

28	46	22	20	18	34	36	35
45	48	16	22	27	31	30	25

Calculate the following using the given data.

1.  $Q_2$
2.  $Q_3$
3.  $Q_1$
4.  $IQR$

Problem Set

Solve the following problem completely.  
Mrs. Marasigan is a veterinarian. One morning, she asked her secretary to record the service time for 20 customers. The following are the service times in minutes.

20	35	55	28	46	32	25	56	51	48
55	28	37	60	47	52	17	23	41	32

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