Measures of Position for Ungrouped Data: Deciles

Deciles: the nine score points which divide a distribution into ten equal parts

$$\text{Position of } D_k = \frac{k}{10}(n+1)_{th}$$

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. D_1
2. D_2
3. D_3
4. D_4
5. D_5
6. D_6
7. D_7
8. D_8
9. D_9

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

Calculate the following using the given data.

1. D_1
2. D_2
3. D_3
4. D_4
5. D_5
6. D_6
7. D_7
8. D_8
9. D_9