

	Chemie
1	15
2	15
3	15
4	15
5	15
6	15
7	16
8	16
9	16
10	17
11	17
12	17
13	17
14	17
15	18
16	18
17	18
18	18
19	19
20	19
21	19
22	19
23	19
24	19
25	19
26	20
27	20
28	20
29	20
30	20
31	21
32	21
33	21
34	21
35	22
36	22
37	22
38	23
39	24
40	25
41	25
42	25
43	25
44	25
45	25
46	26
47	26
48	26

N	decily	excel	n*p	SAS5
54	90%	26.0	48.6	26.0
	80%	25.0	43.2	25.0
	70%	23.1	37.8	23.0
	60%	21.0	32.4	21.0
med=	50%	20.0	27.0	20.0
	40%	19.0	21.6	19.0
	30%	18.0	16.2	18.0
	20%	17.0	10.8	17.0
	10%	15.3	5.4	15.0

The p-th percentile is defined by:

$$\begin{cases} (x_{(j)} + x_{(j+1)})/2 & \text{if } g = 0 \\ x_{(j+1)} & \text{if } g > 0 \end{cases} \quad \text{where } n \cdot p = j + g$$

49	26
50	27
51	27
52	27
53	28
54	28

max=30

hranice tříd

5

10

15

20

25

30

<i>Třída</i>	<i>Četnost</i>
5	0
10	0
15	6
20	24
25	15
30	9
Další	0

