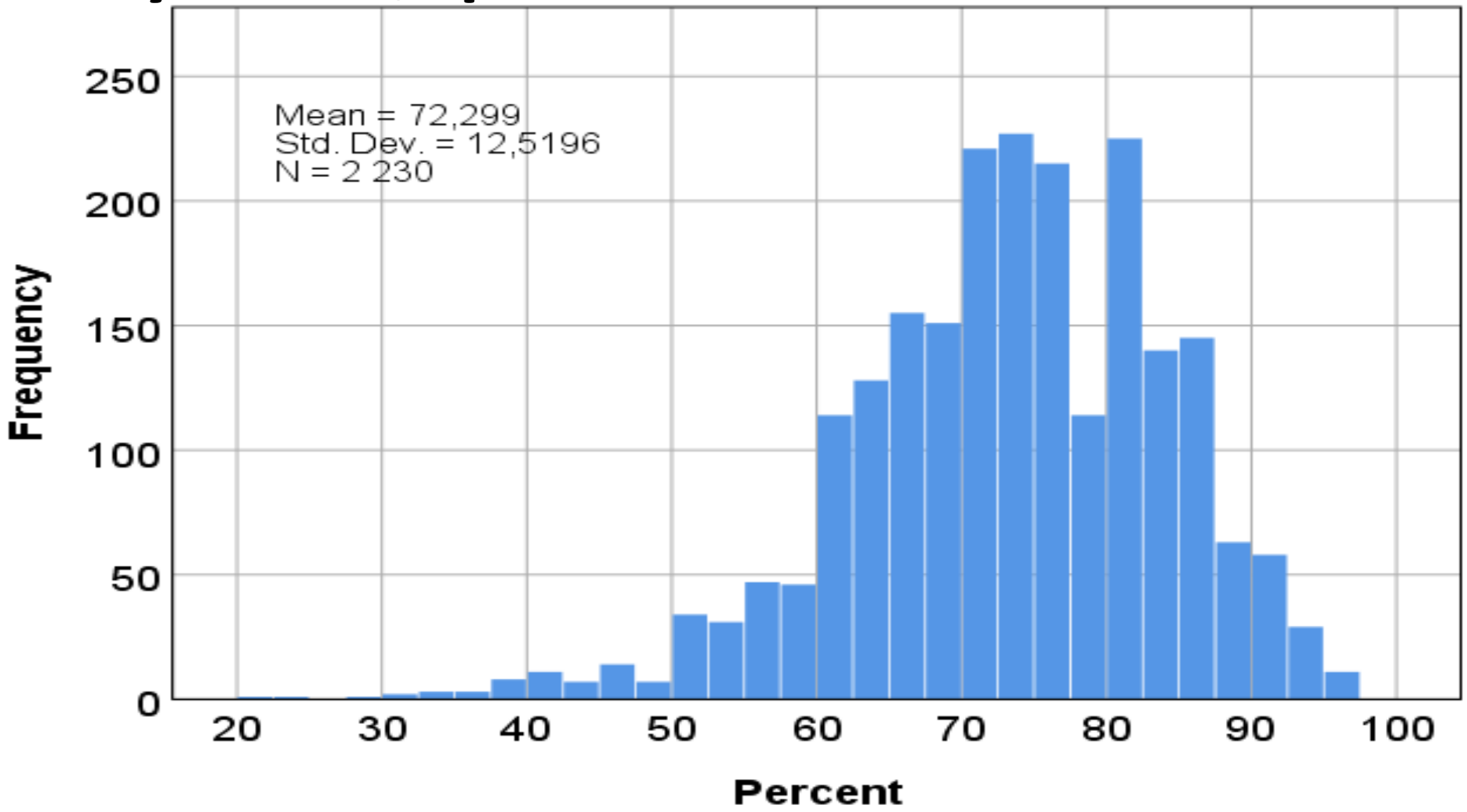
UiO : Faculty of Dentistry
University of Oslo

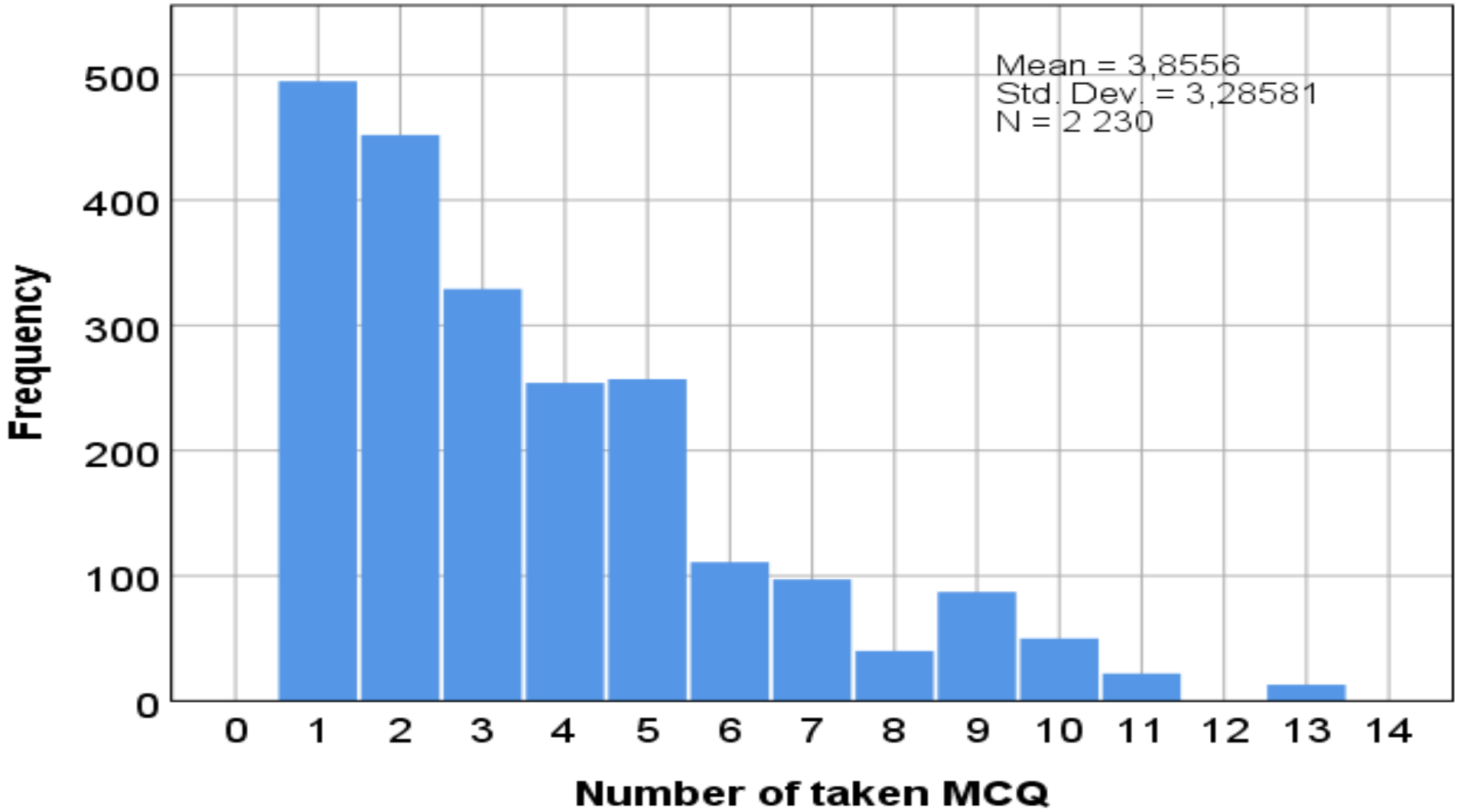
Answer questionnaire

Quality check, questions to difficult?

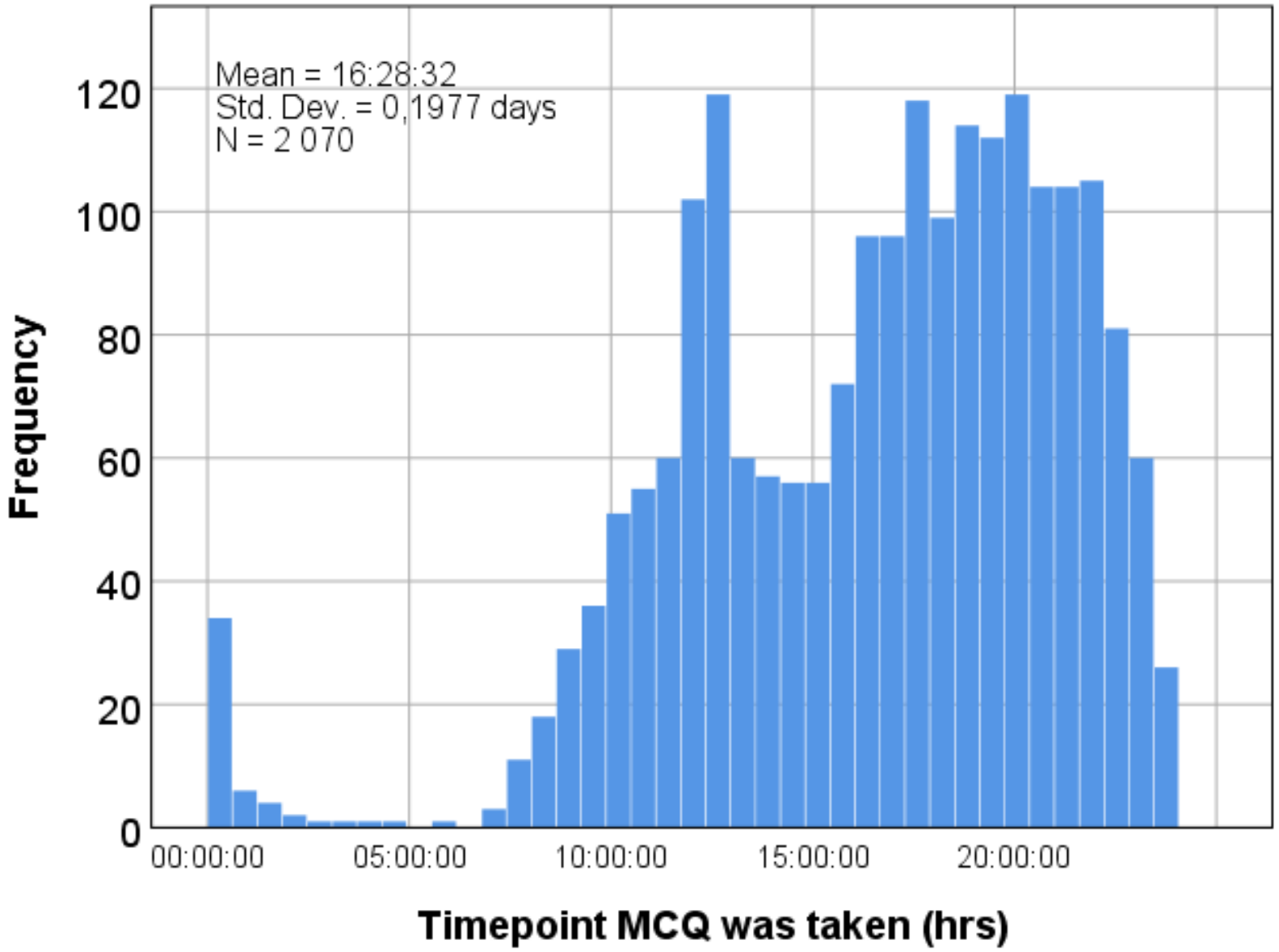


→adequate level of difficultness

Did the student use the MCQ?

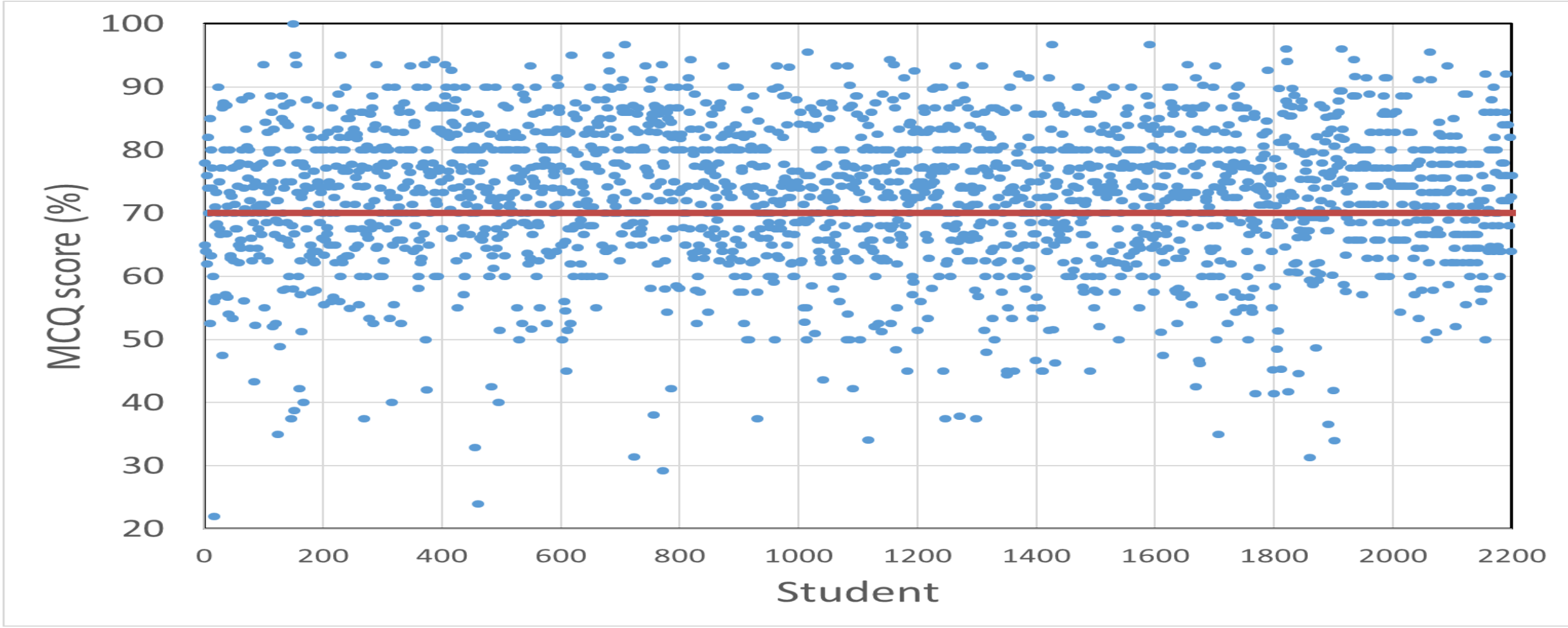


→students took the MCQ on **average 3.9 times**



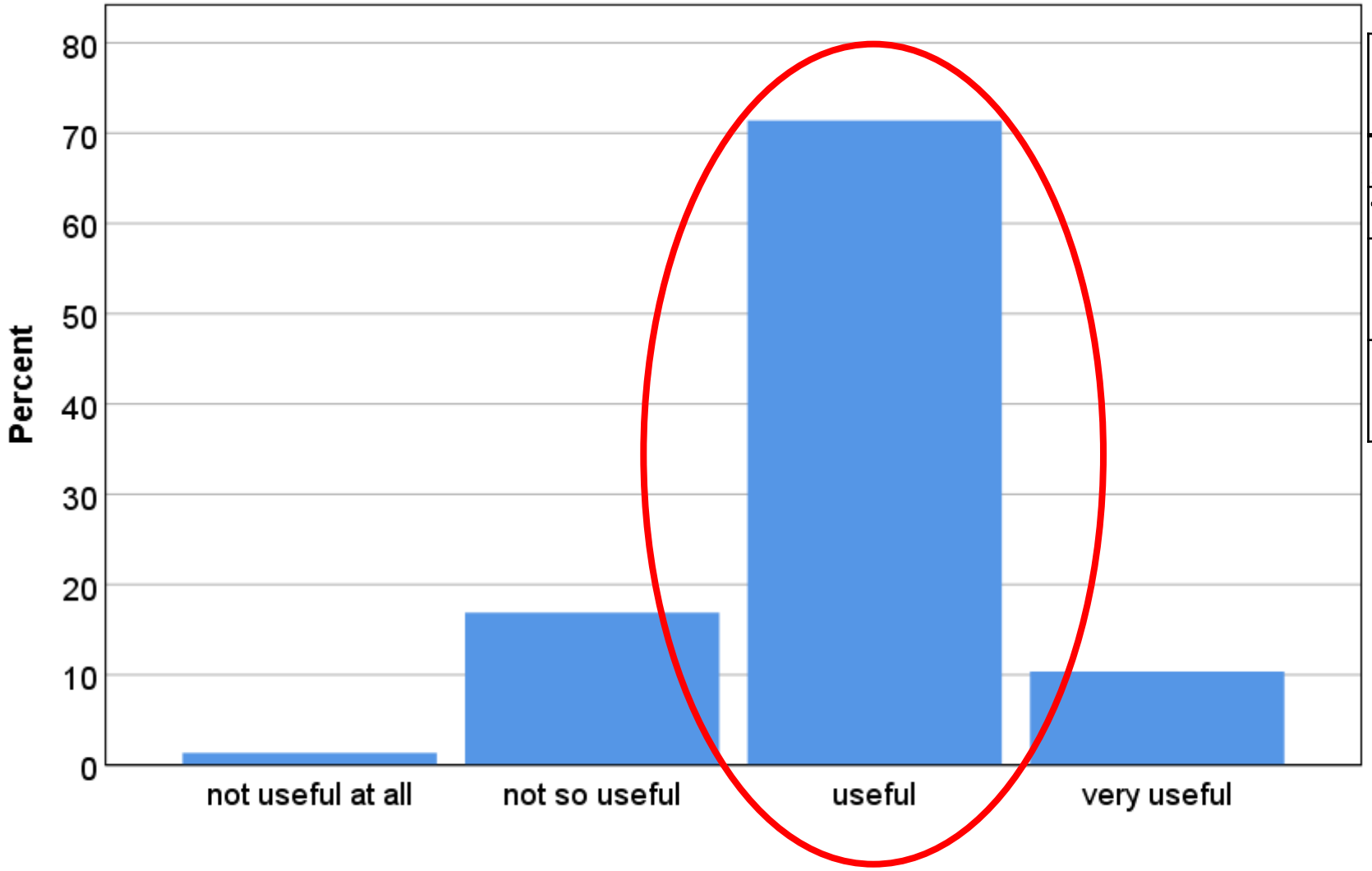
→students only inactive from 01:00-05:30!

MCQ score per student



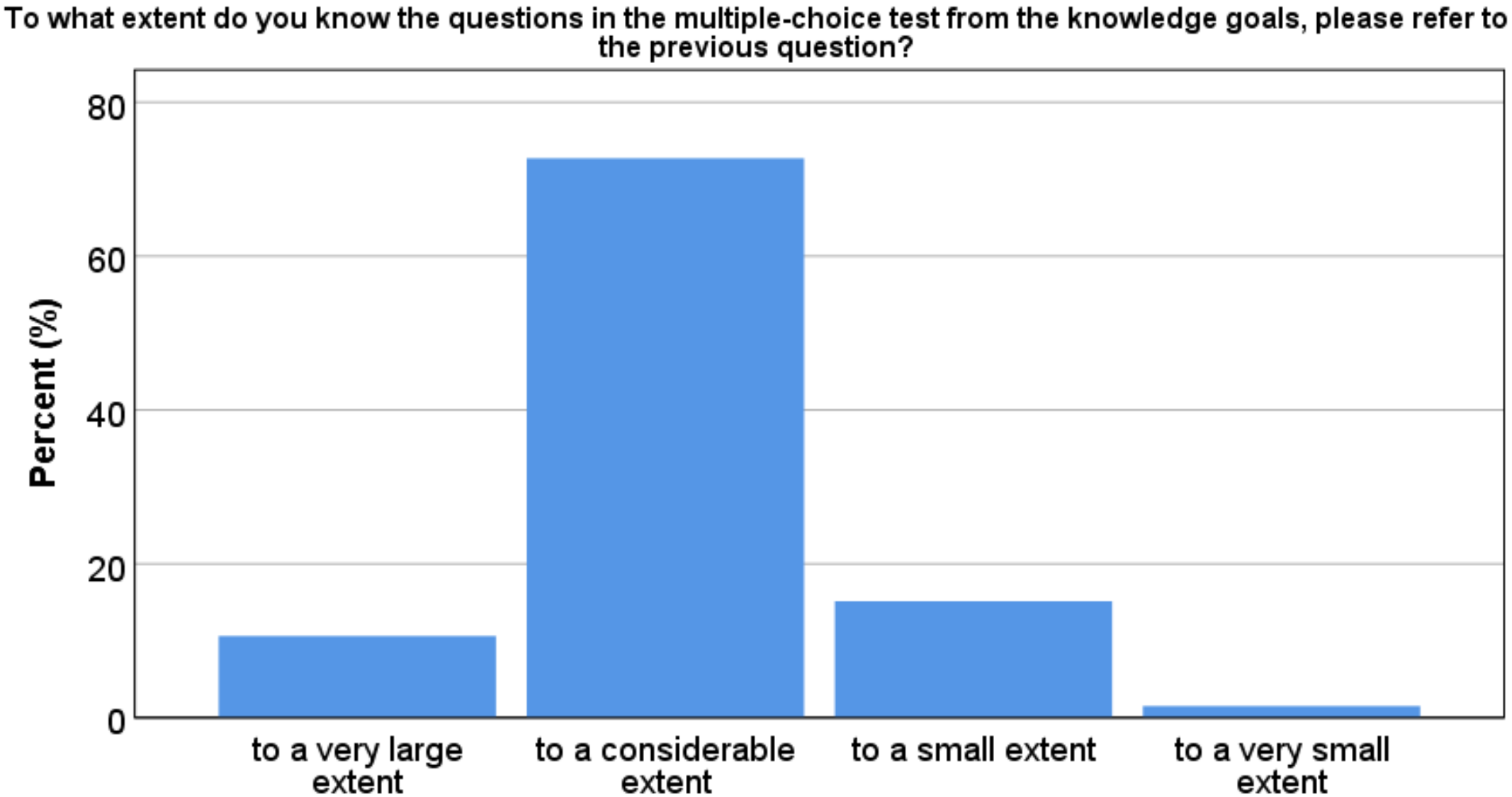
→most student retook MCQ even after obtaining 70%

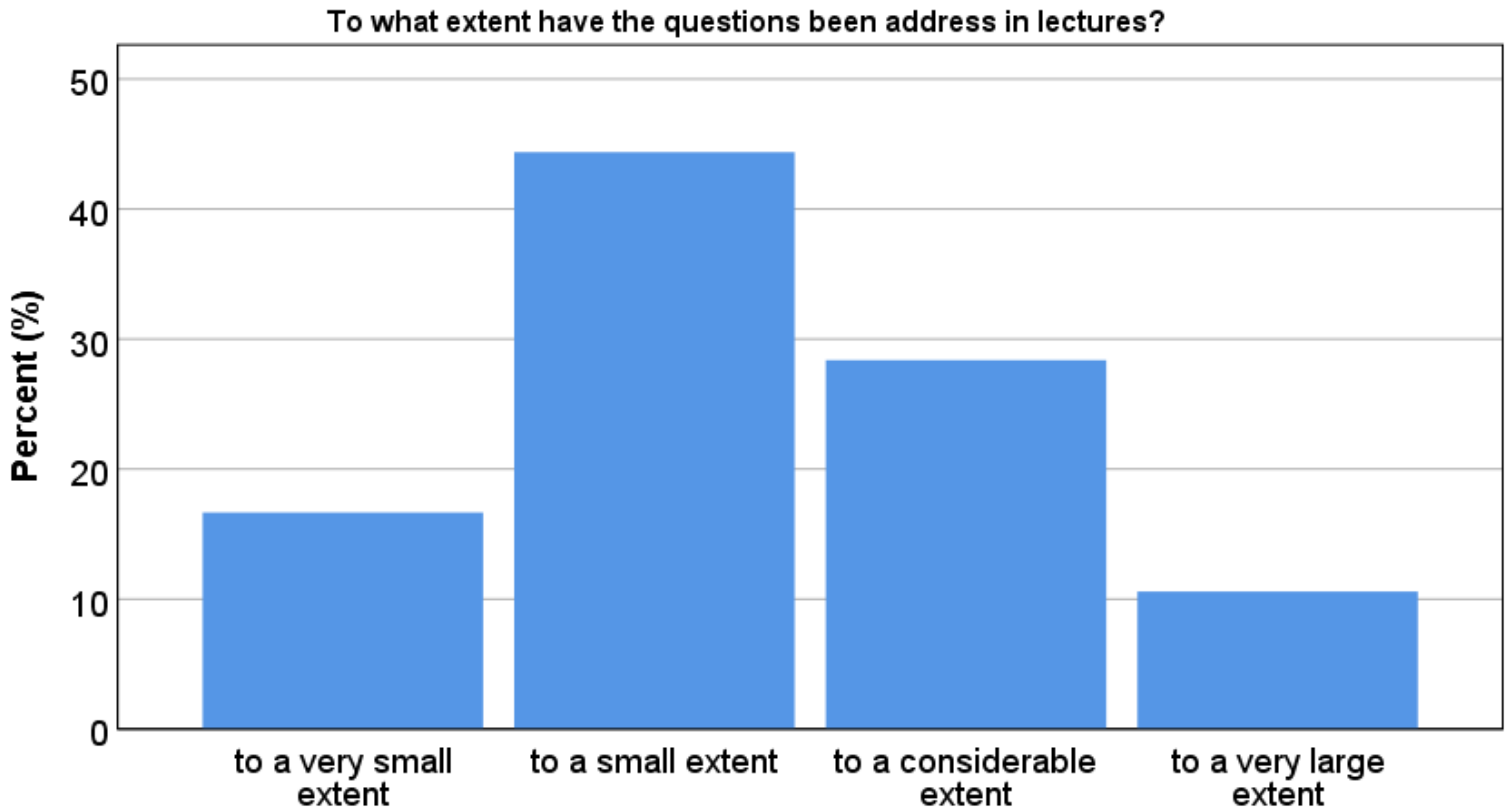
Did the student find MCQ useful?

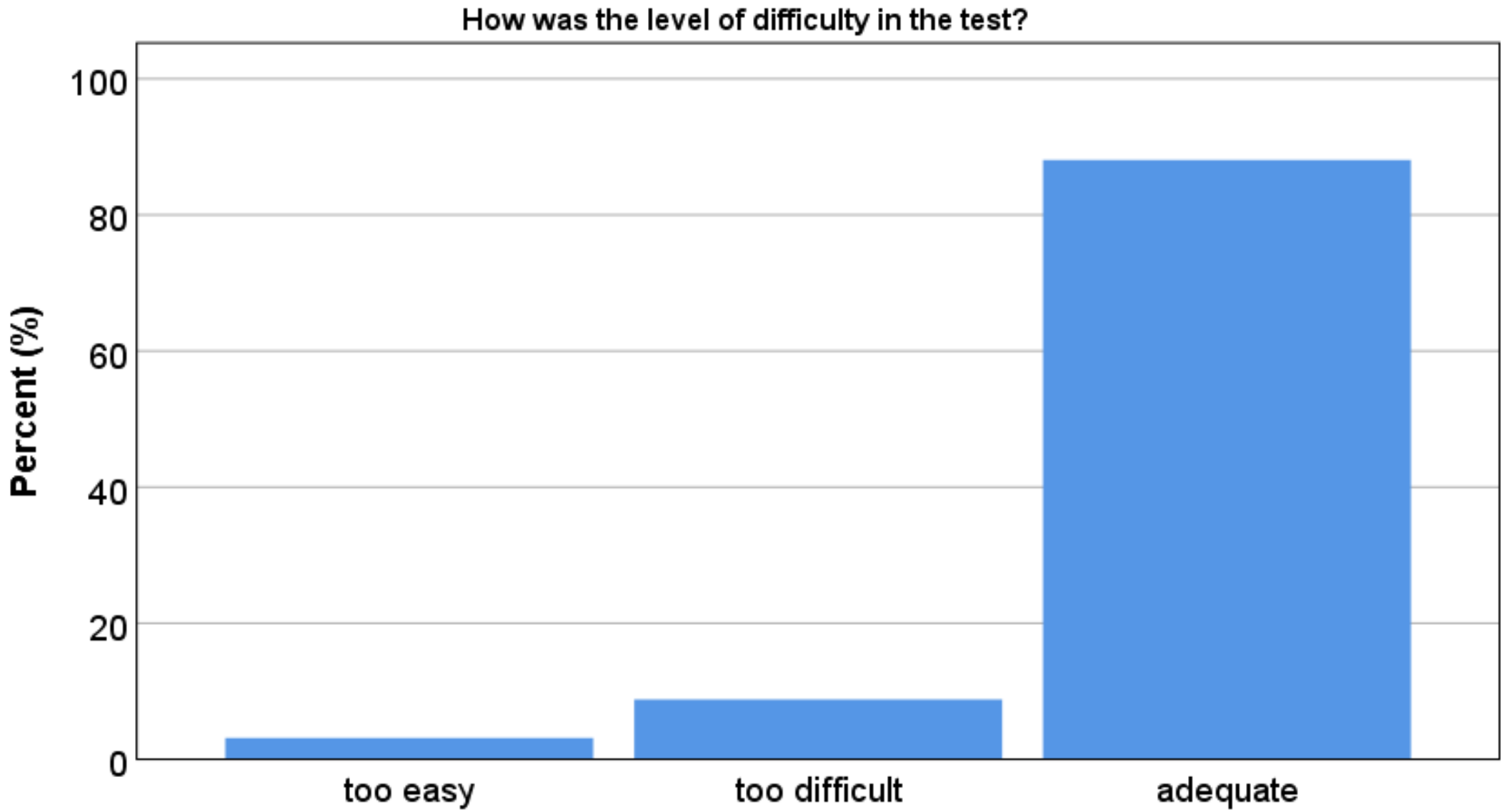


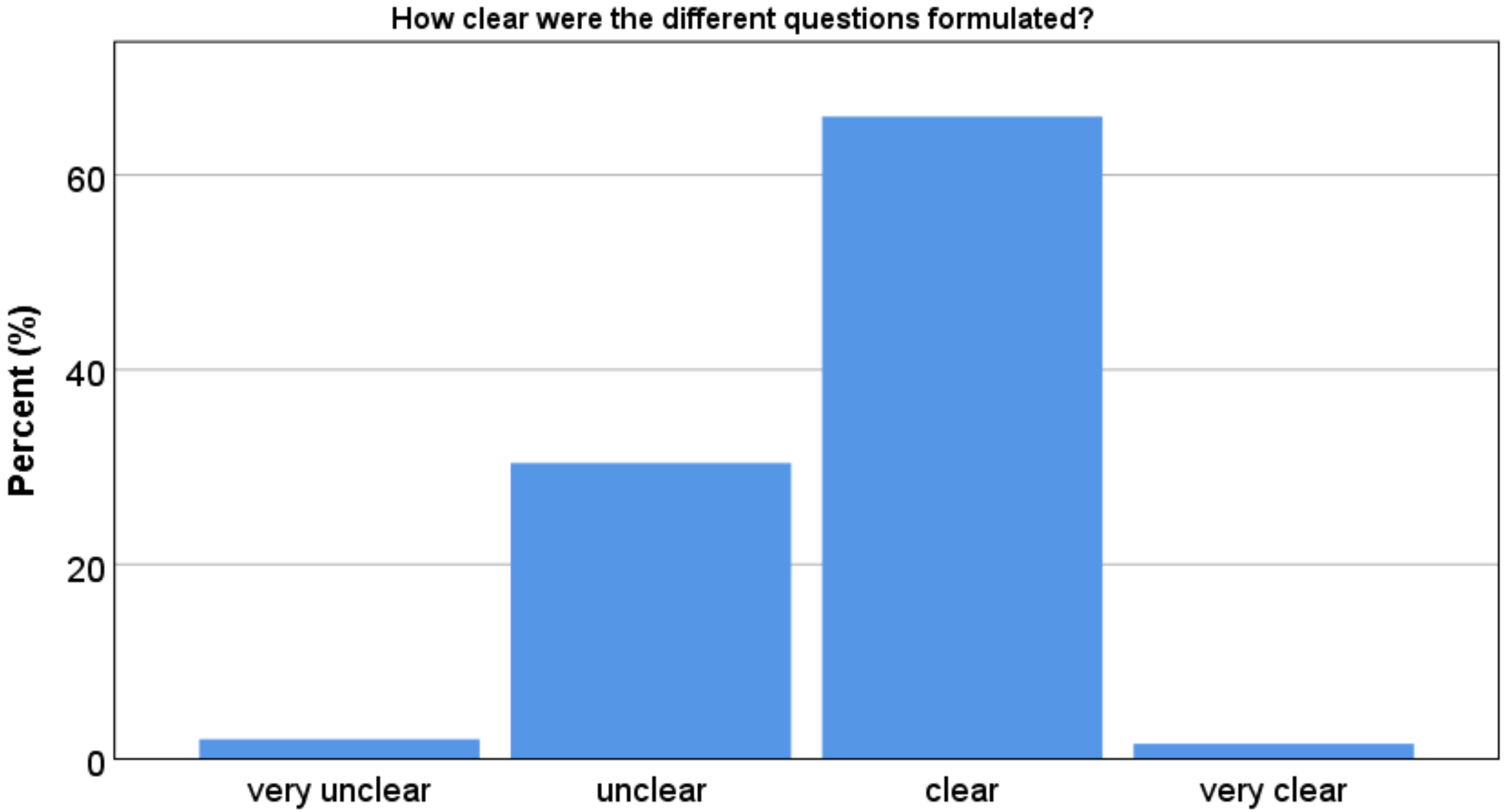
	How useful is such an MCQ test?
Semester	-0.114**
Time MCQ	0.029
Percent MCQ	0.083*
Number Of MCQ	-0.009

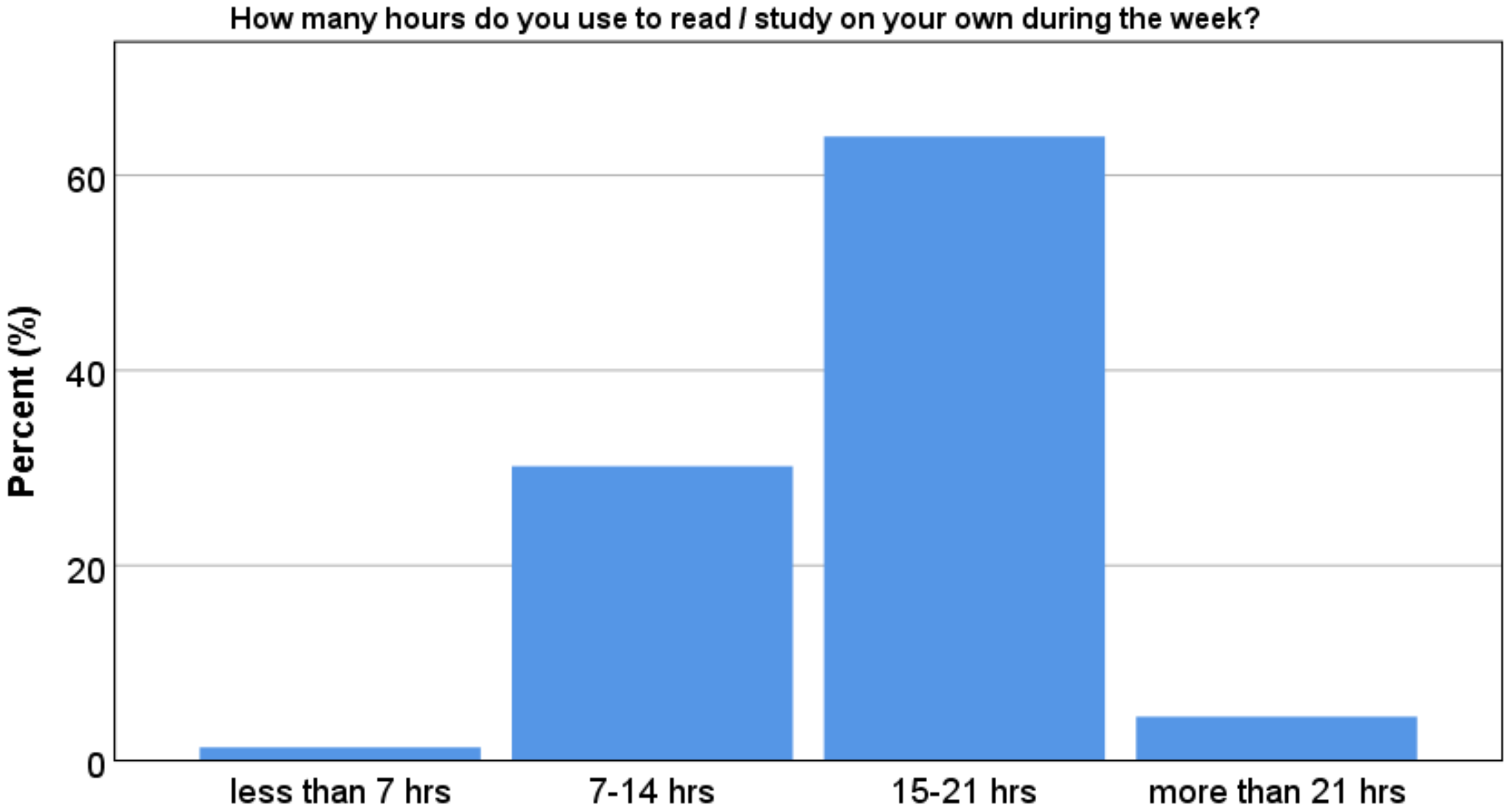
To what extent do you nw the knowledge goals in the individual subjects?
Percent (%)
100
80
60
40
20
0
to a very large extent
to a considerable extent
to a small extent
to a very small extent

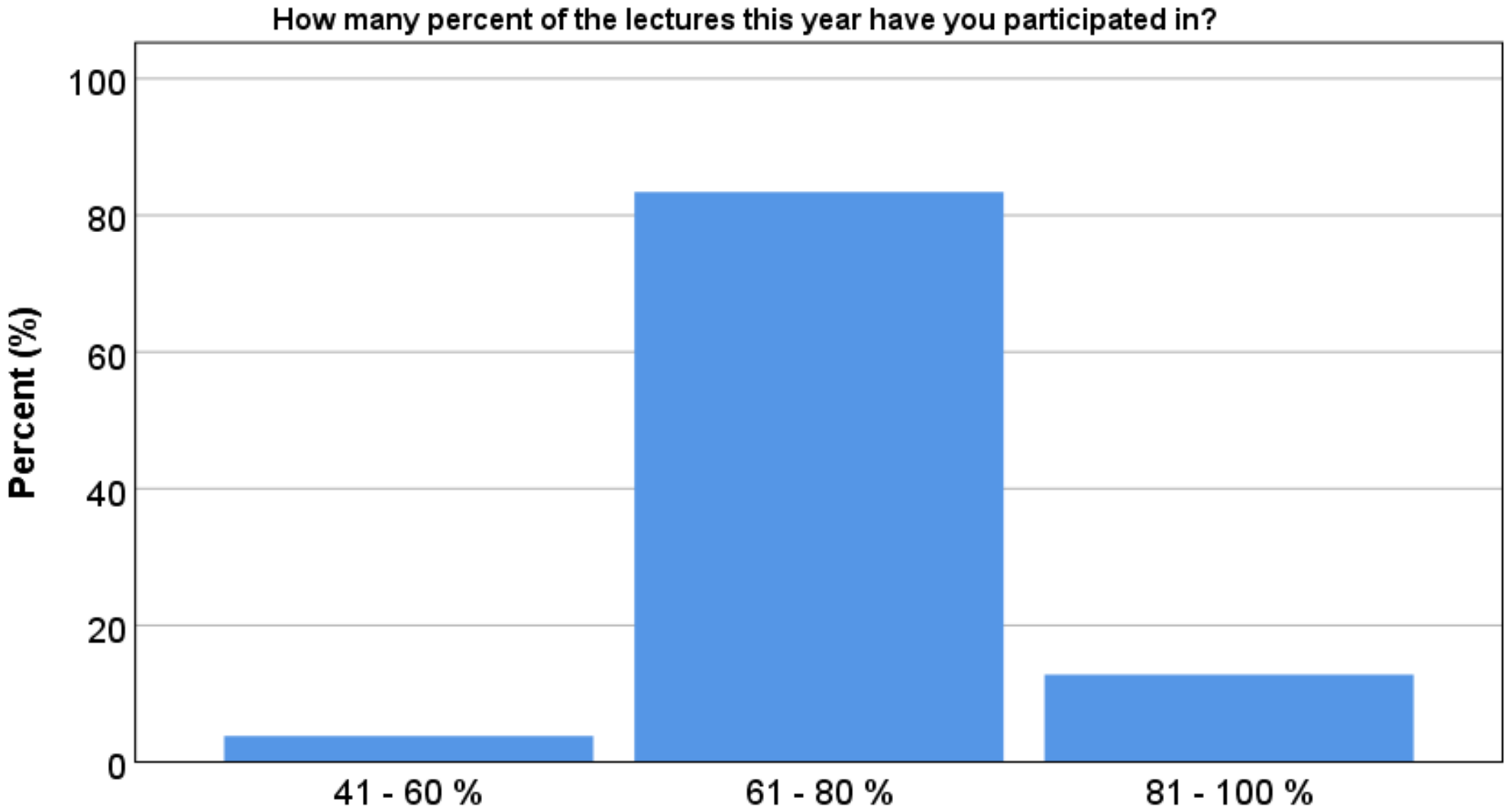

To what extent do you know the questions in the multiple-choice test from the knowledge goals, please refer to the previous question?
Percent (%)
80
60
40
20
0
to a very large extent
to a considerable extent
to a small extent
to a very small extent

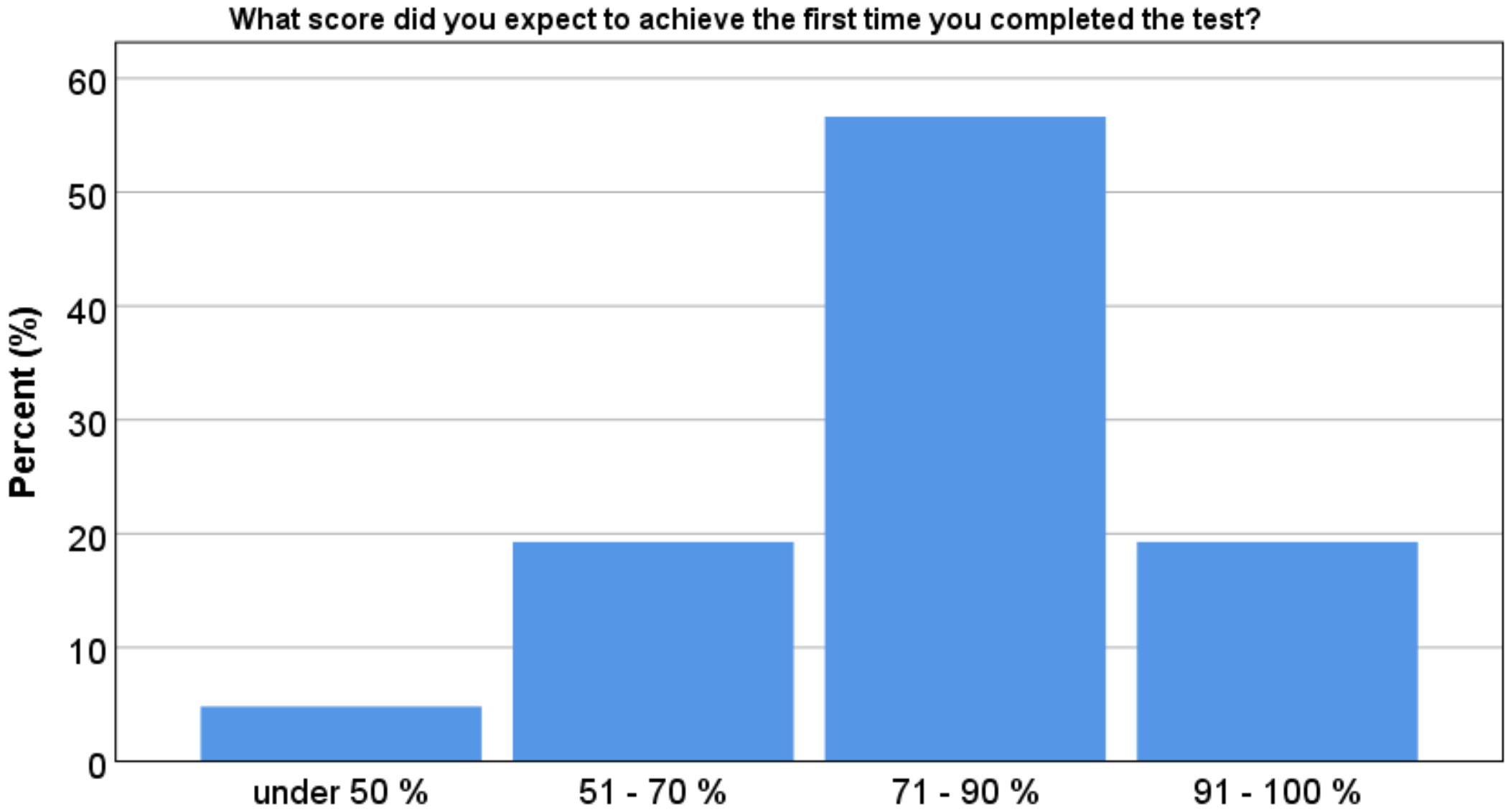

To what extent have the questions been address in lectures?
Percent (%)
50
40
30
20
10
0
to a very small extent
to a small extent
to a considerable extent
to a very large extent

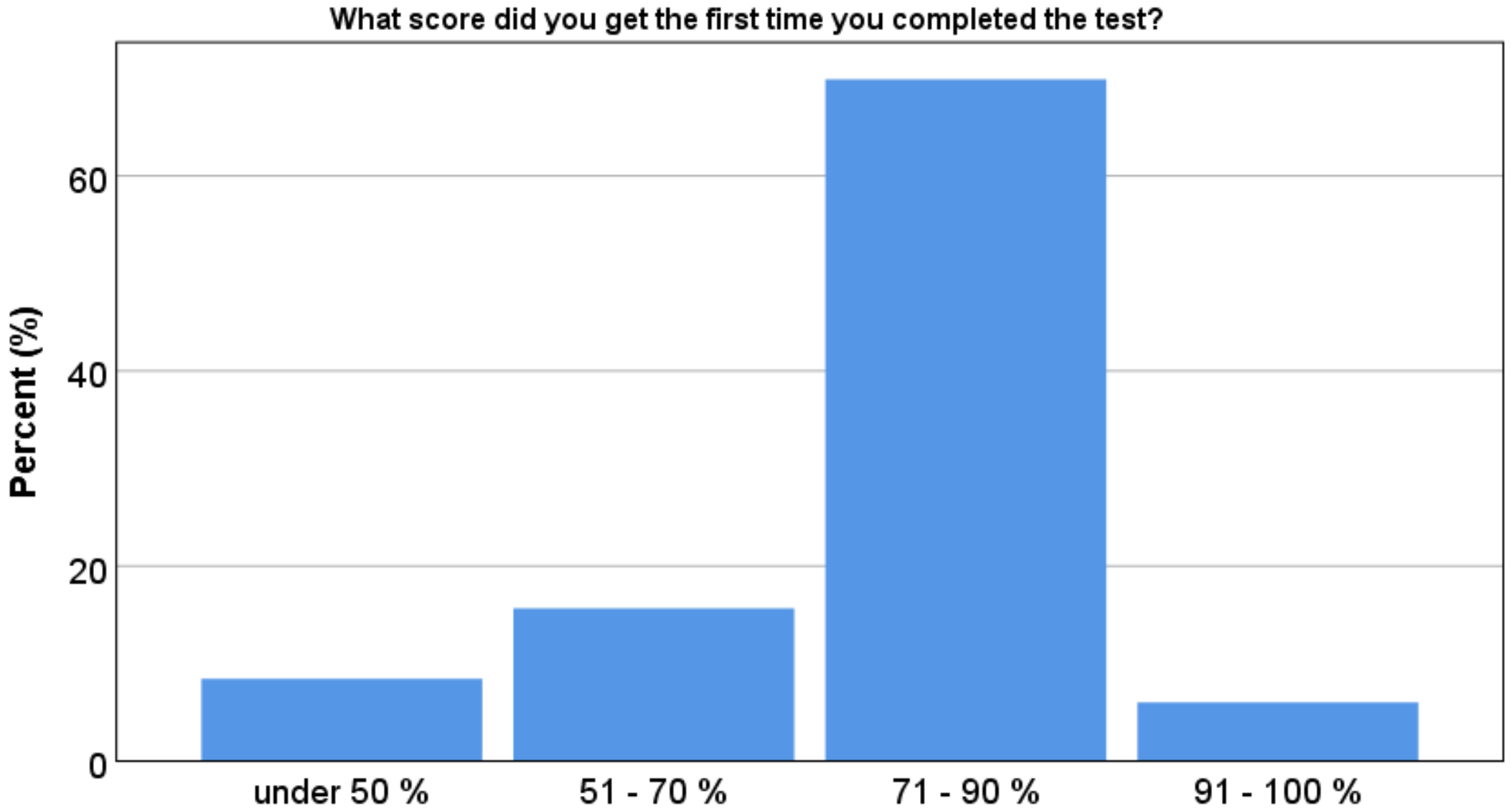

How was the level of difficulty in the test?
Percent (%)
100
80
60
40
20
0
too easy
too difficult
adequate

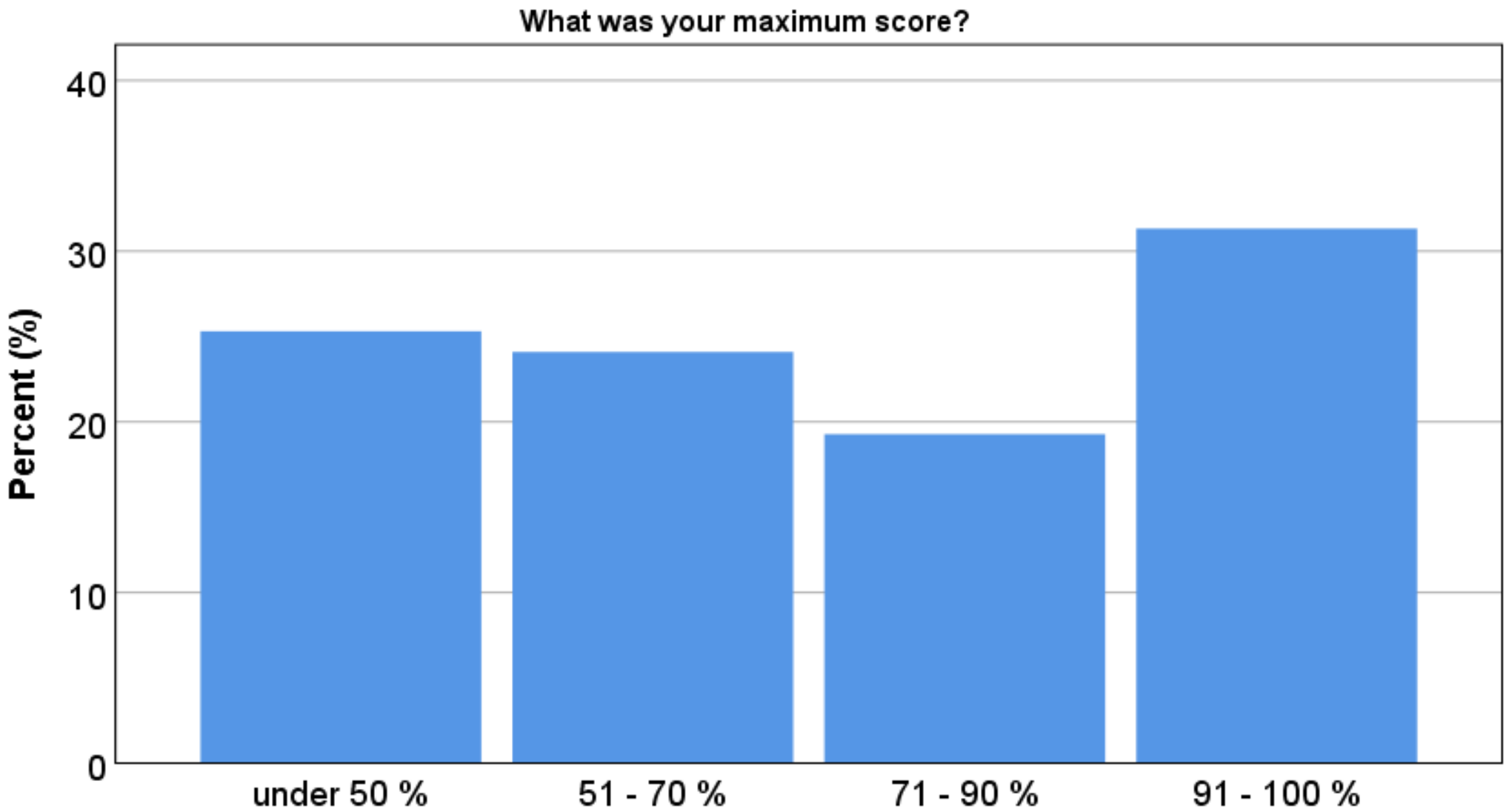

How clear were the different questions formulated?
Percent (%)
60
40
20
0
very unclear
unclear
clear
very clear

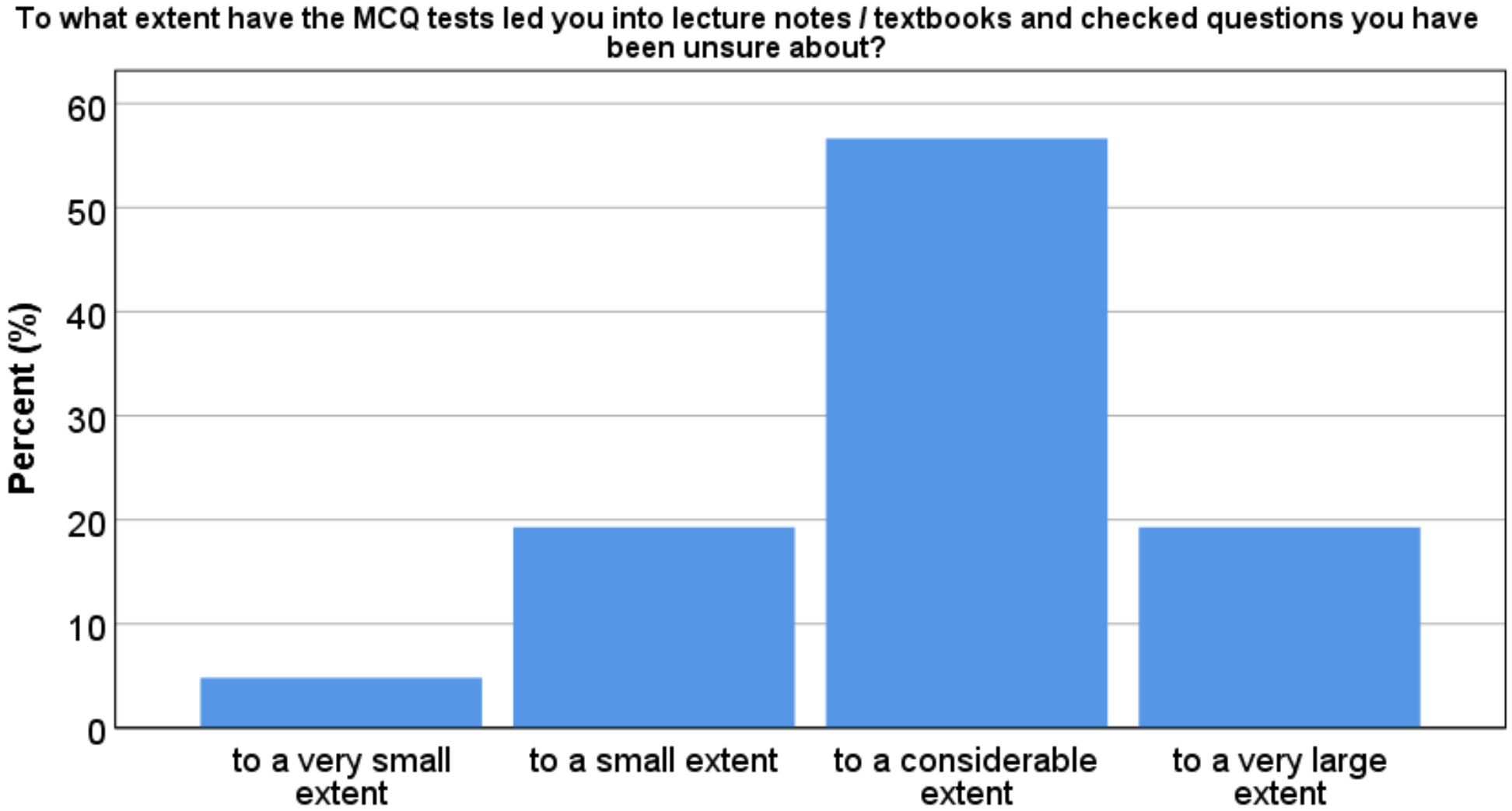

How many hours do you use to read / study on your own during the week?
Percent (%)
60
40
20
0
less than 7 hrs
7-14 hrs
15-21 hrs
more than 21 hrs

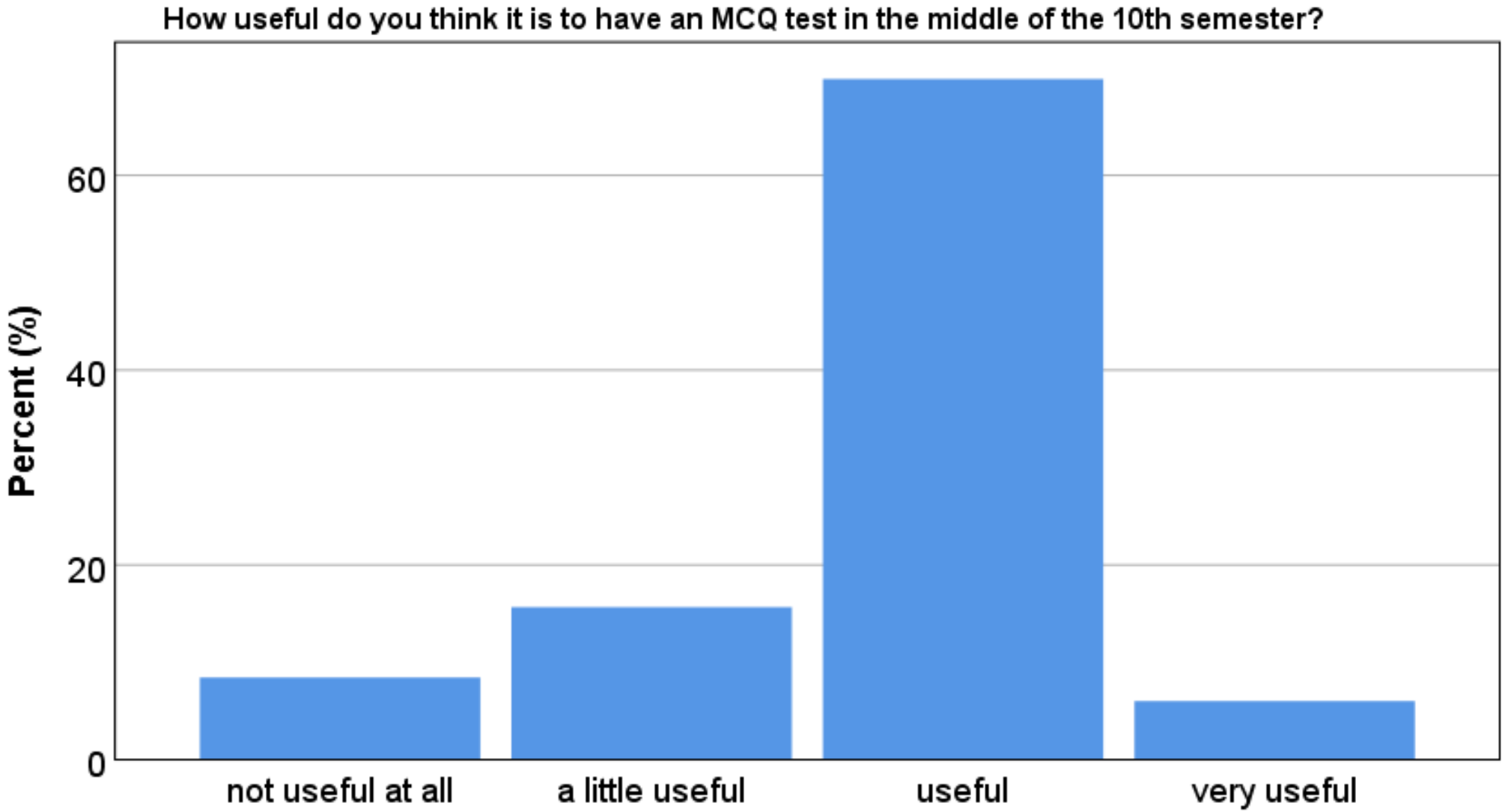

How many percent of the lectures this year have you participated in?
Percent (%)
100
80
60
40
20
0
41 - 60 %
61 - 80 %
81 - 100 %

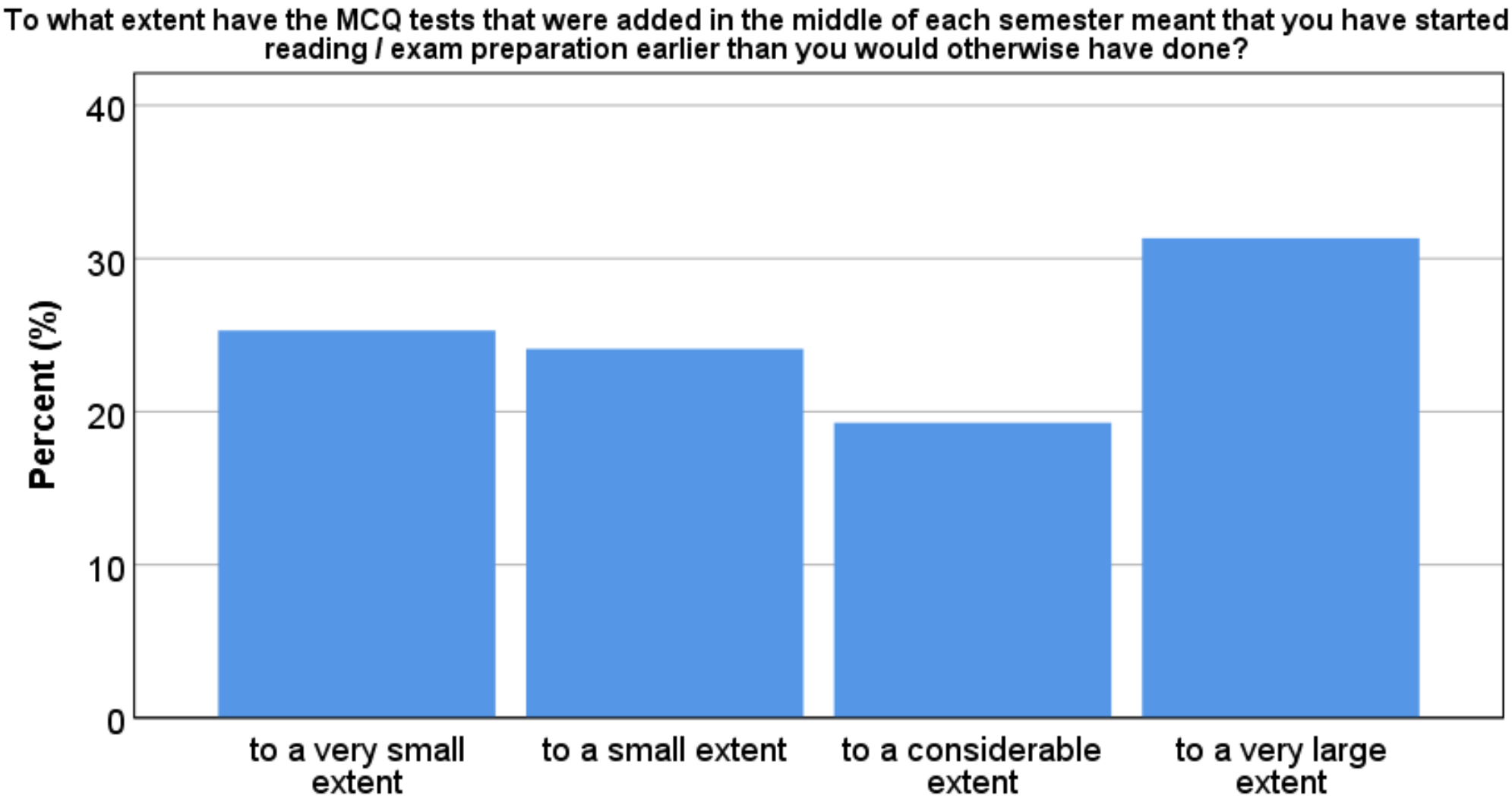

What score did you expect to achieve the first time you completed the test?
Percent (%)
60
50
40
30
20
10
0
under 50 %
51 - 70 %
71 - 90 %
91 - 100 %

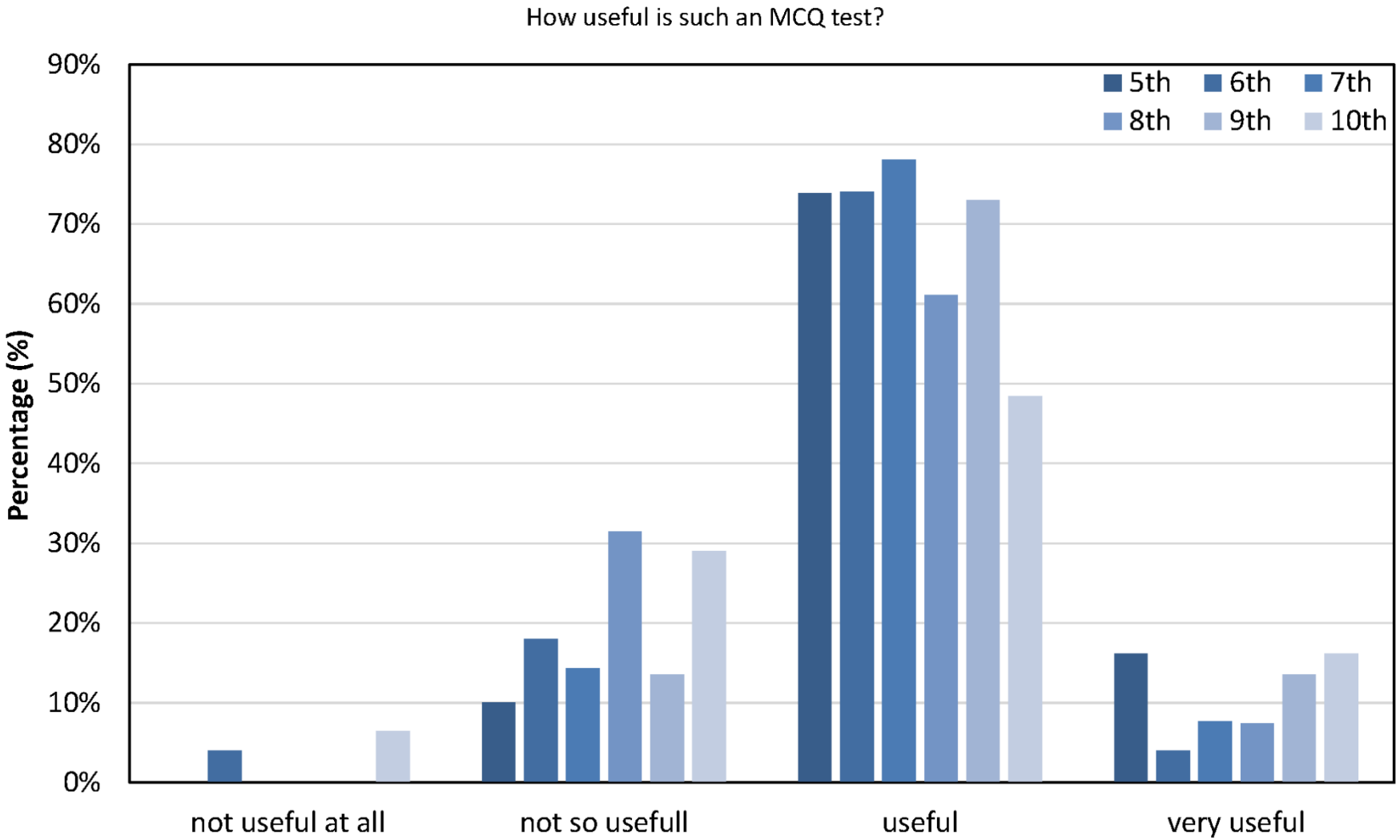

What score did you get the first time you completed the test?
Percent (%)
60
40
20
0
under 50 %
51 - 70 %
71 - 90 %
91 - 100 %


What was your maximum score?
Percent (%)
40
30
20
10
0
under 50 %
51 - 70 %
71 - 90 %
91 - 100 %


To what extent have the MCQ tests led you into lecture notes / textbooks and checked questions you have been unsure about?
Percent (%)
60
50
40
30
20
10
0
to a very small extent
to a small extent
to a considerable extent
to a very large extent

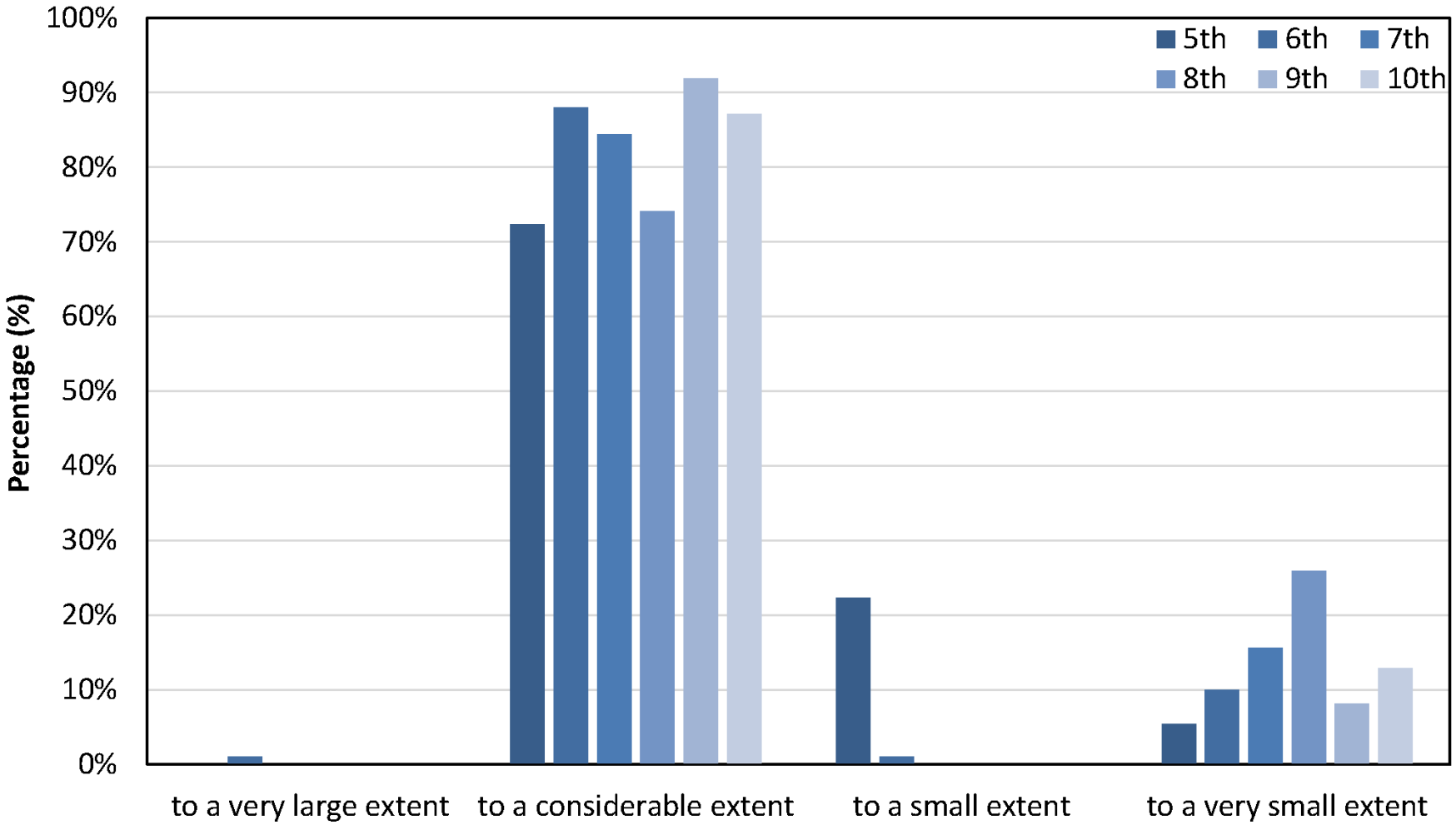

How useful do you think it is to have an MCQ test in the middle of the 10th semester?
Percent (%)
60
40
20
0
not useful at all
a little useful
useful
very useful


To what extent have the MCQ tests that were added in the middle of each semester meant that you have started reading / exam preparation earlier than you would otherwise have done?
Percent (%)
40
30
20
10
0
to a very small extent
to a small extent
to a considerable extent
to a very large extent

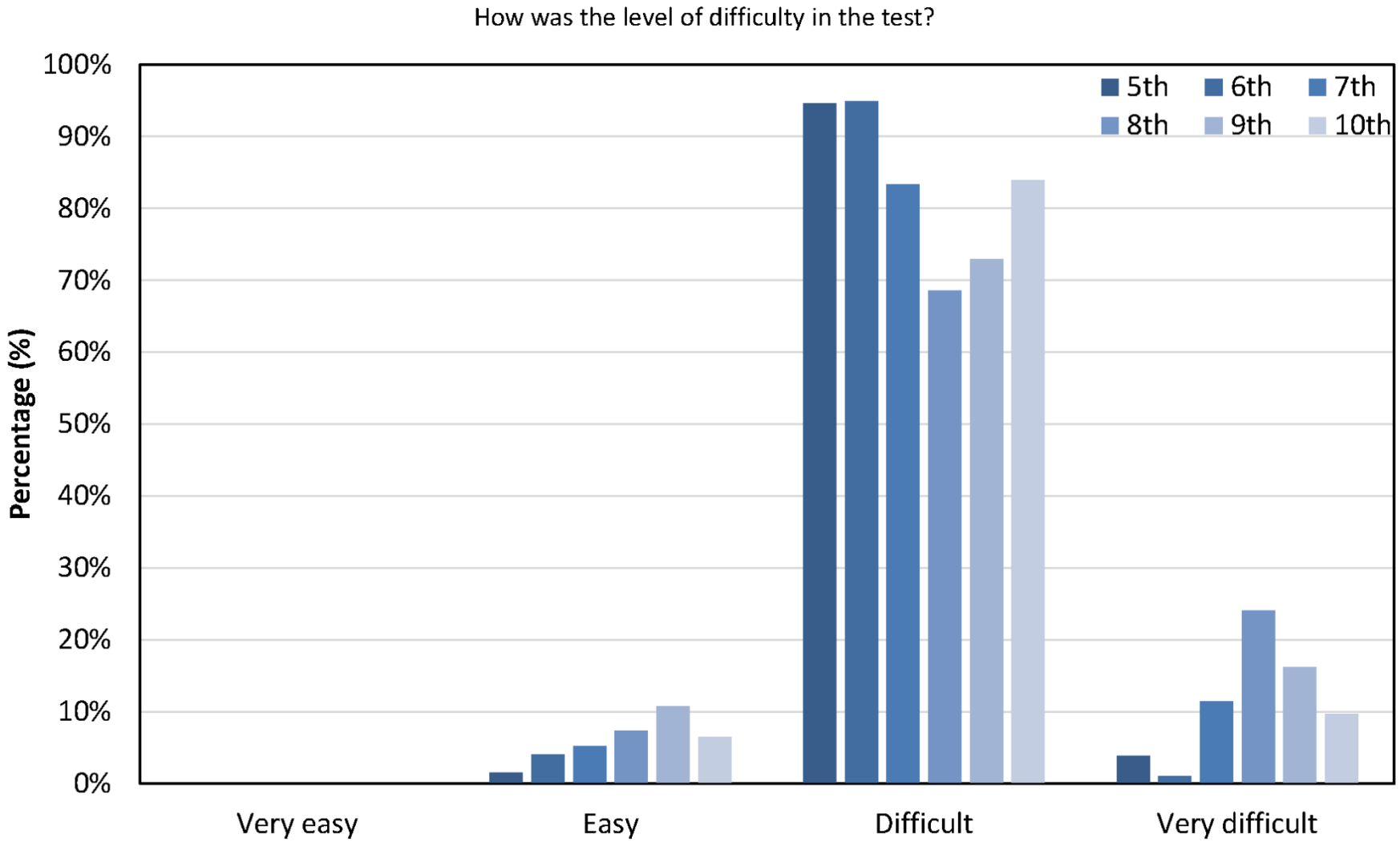

How useful is such an MCQ test?
Percentage (%)
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
5th
6th
7th
8th
9th
10th
not useful at all
not so usefull
useful
very useful

n = 461

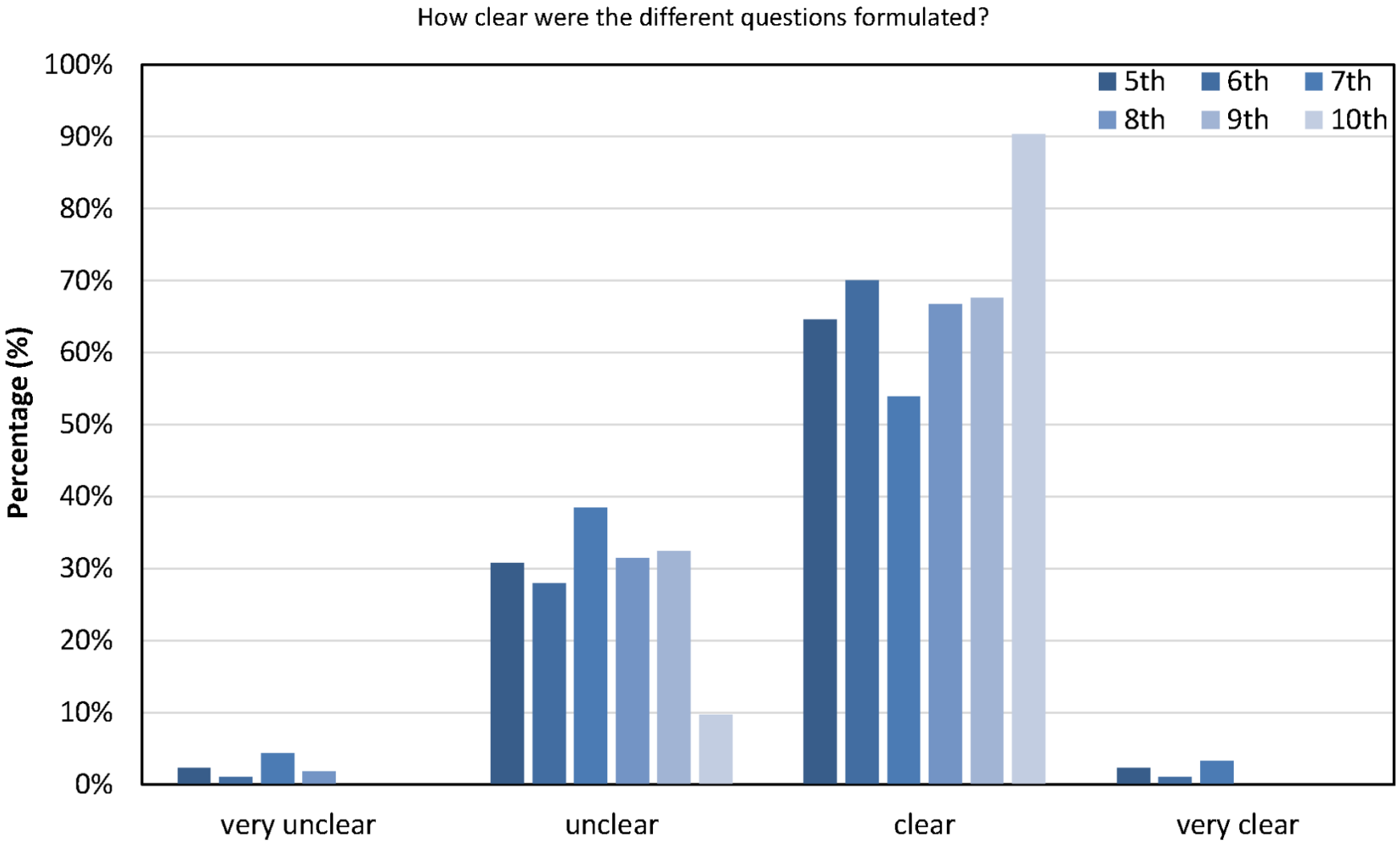
To what extent do you know the knowledge goals in the individual subjects?



n = 461

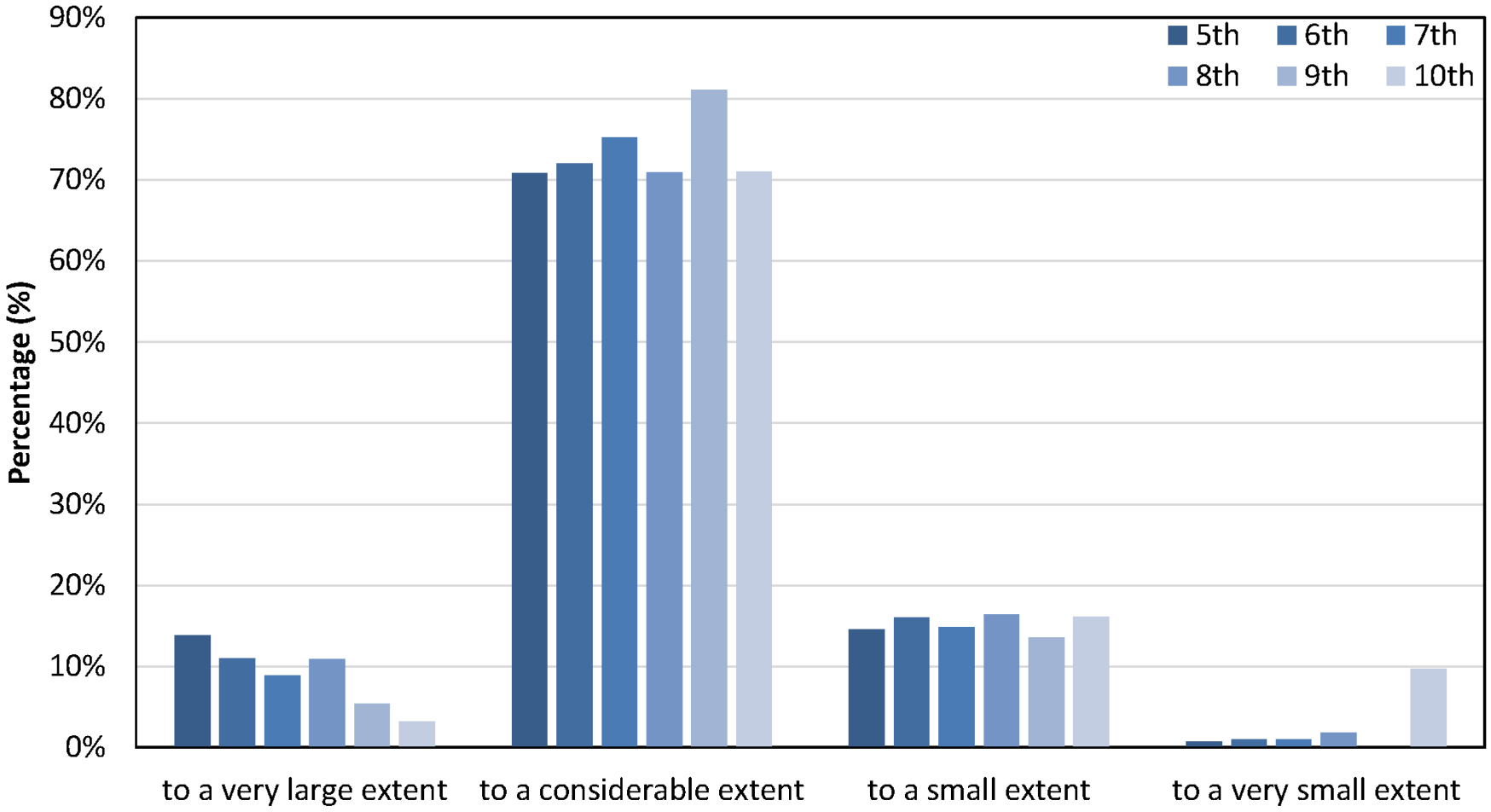

How was the level of difficulty in the test?
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Percentage (%)
5th
6th
7th
8th
9th
10th
Very easy
Easy
Difficult
Very difficult

n = 461

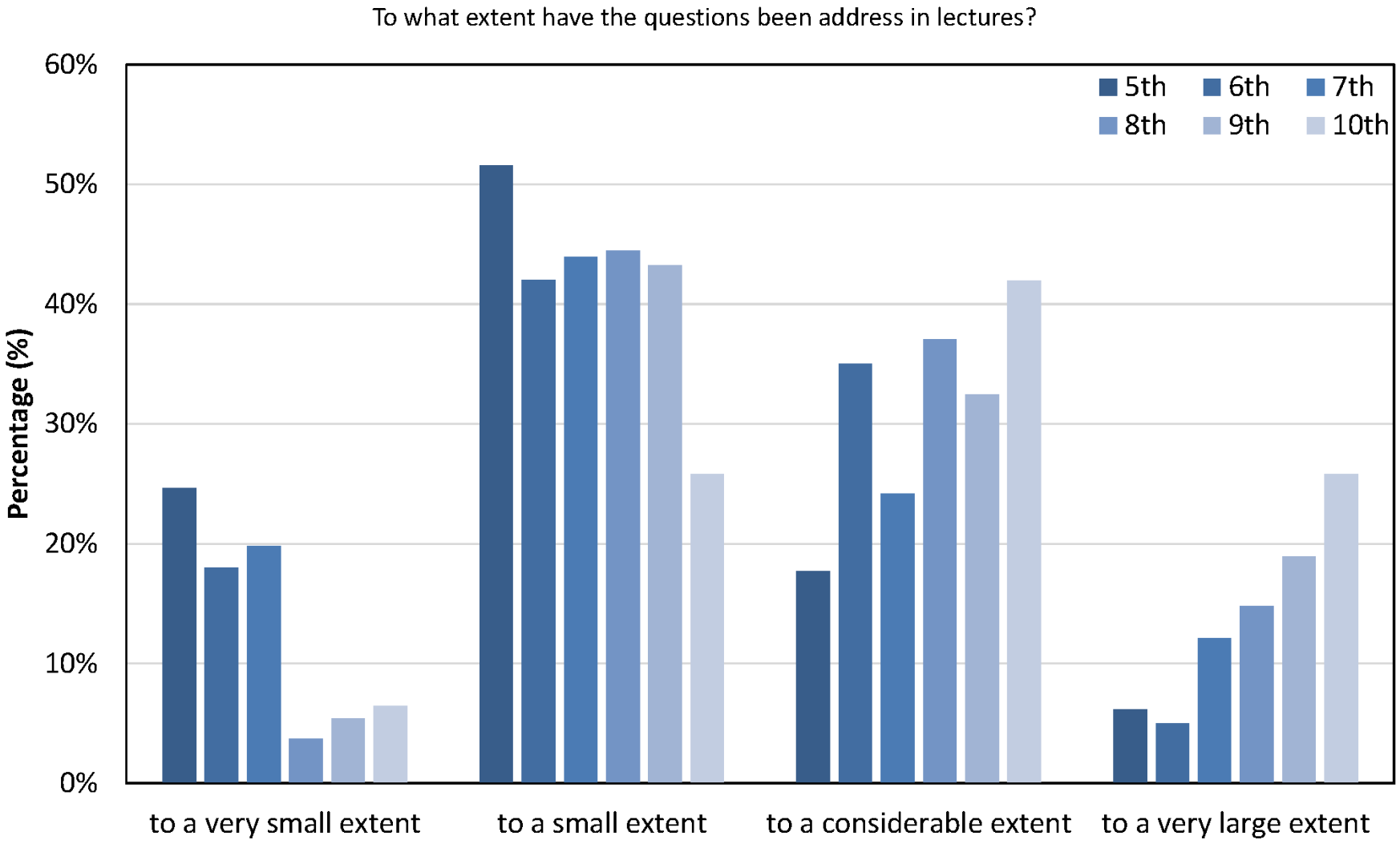

How clear were the different questions formulated?
Percentage (%)
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
5th
6th
7th
8th
9th
10th
very unclear
unclear
clear
very clear

n = 461

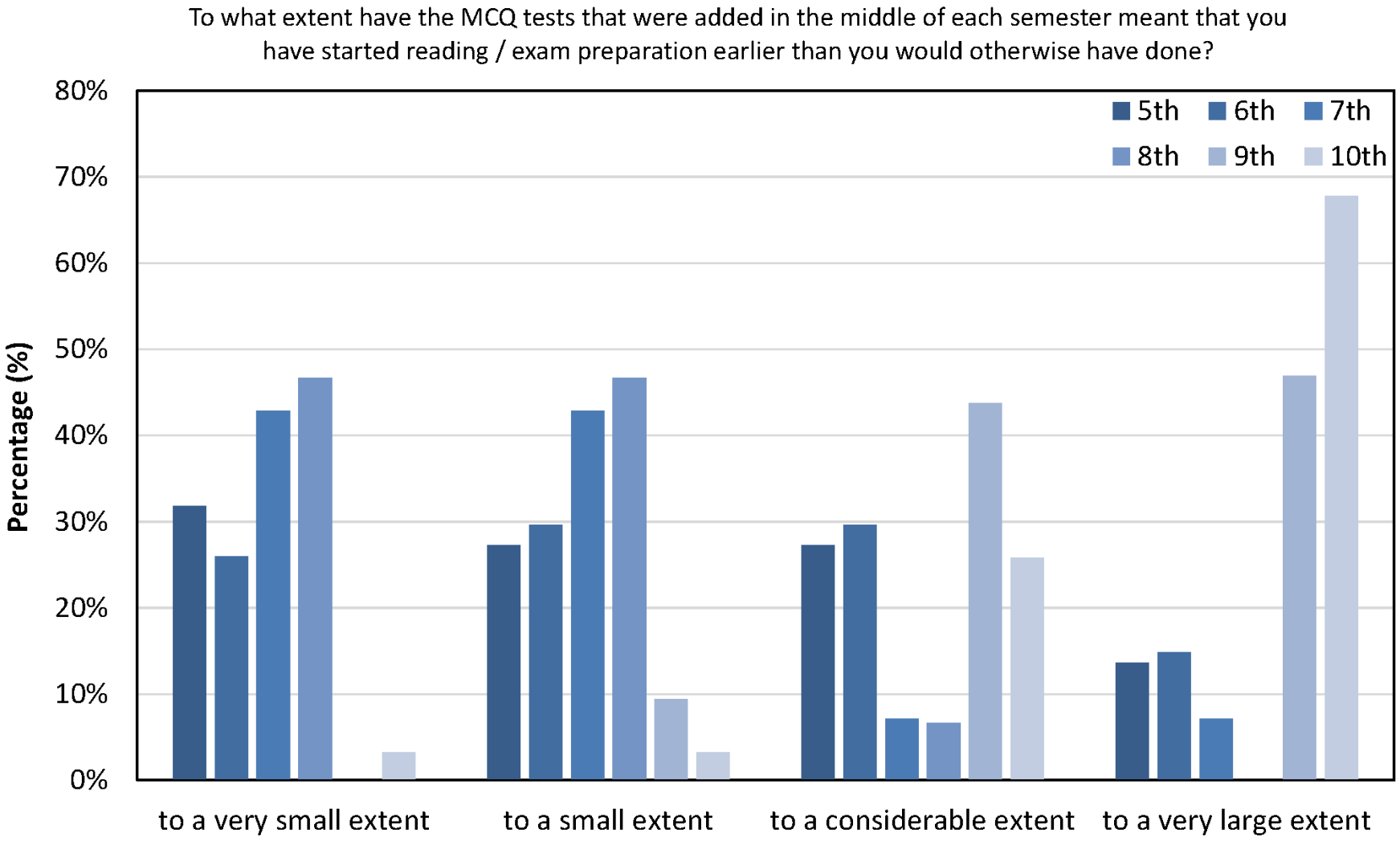
To what extent do you know the questions in the multiple-choice test from the knowledge goals, please refer to the previous question?



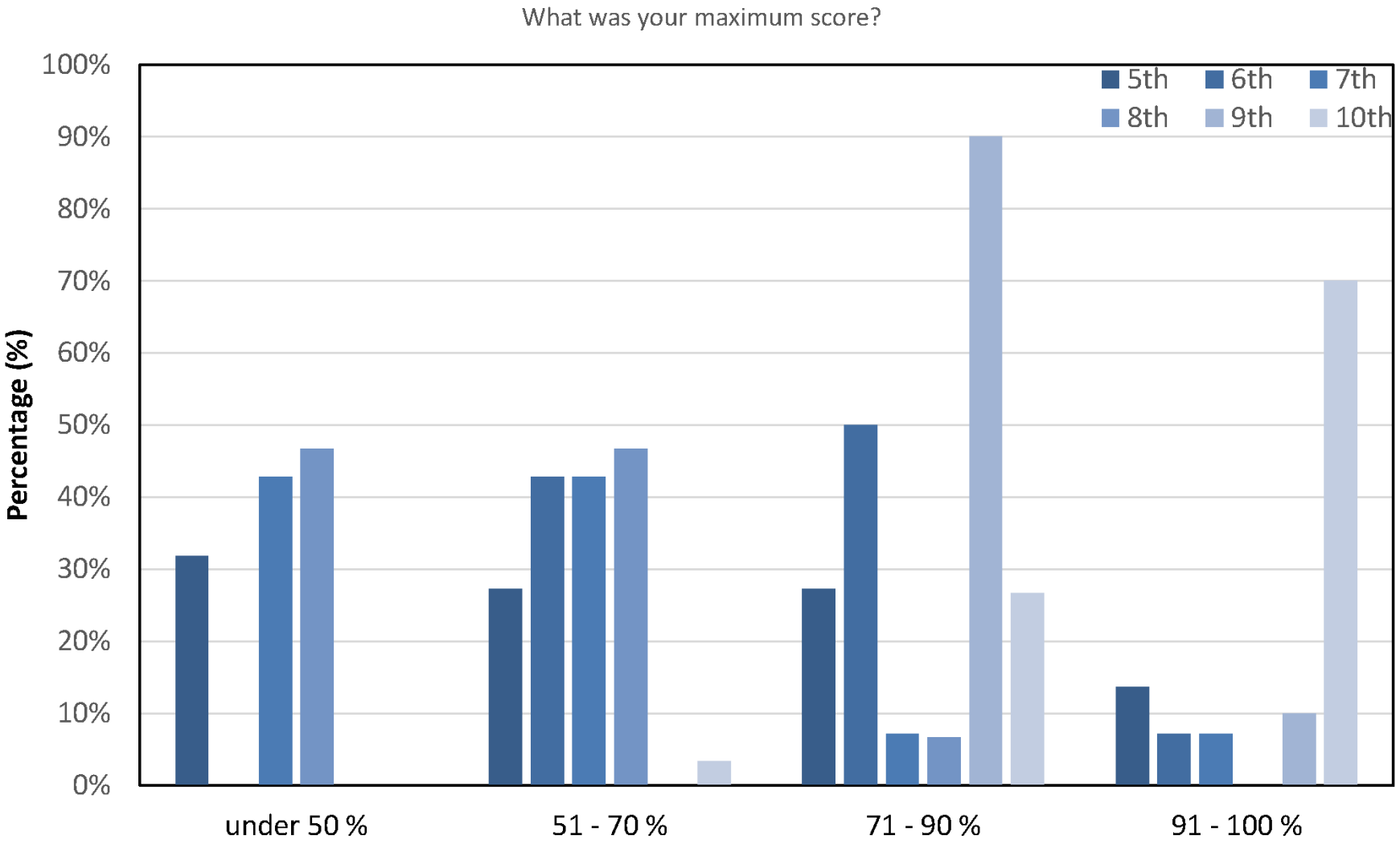
n = 461


To what extent have the questions been address in lectures?
60%
50%
40%
30%
20%
10%
0%
Percentage (%)
5th
6th
7th
8th
9th
10th
to a very small extent
to a small extent
to a considerable extent
to a very large extent

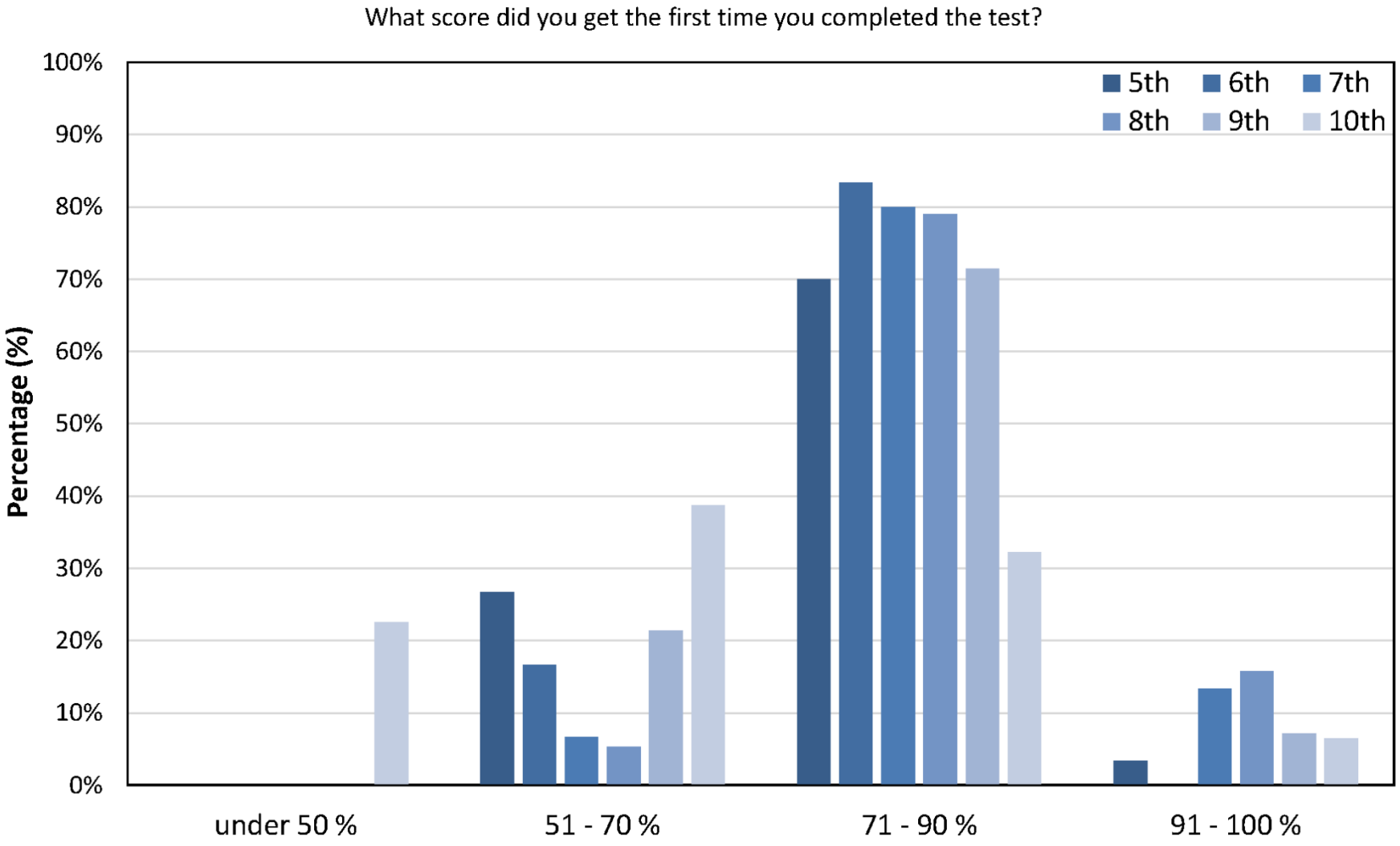
n = 461


To what extent have the MCQ tests that were added in the middle of each semester meant that you have started reading / exam preparation earlier than you would otherwise have done?
Percentage (%)
80%
70%
60%
50%
40%
30%
20%
10%
0%
5th
6th
7th
8th
9th
10th
to a very small extent
to a small extent
to a considerable extent
to a very large extent

n = 461

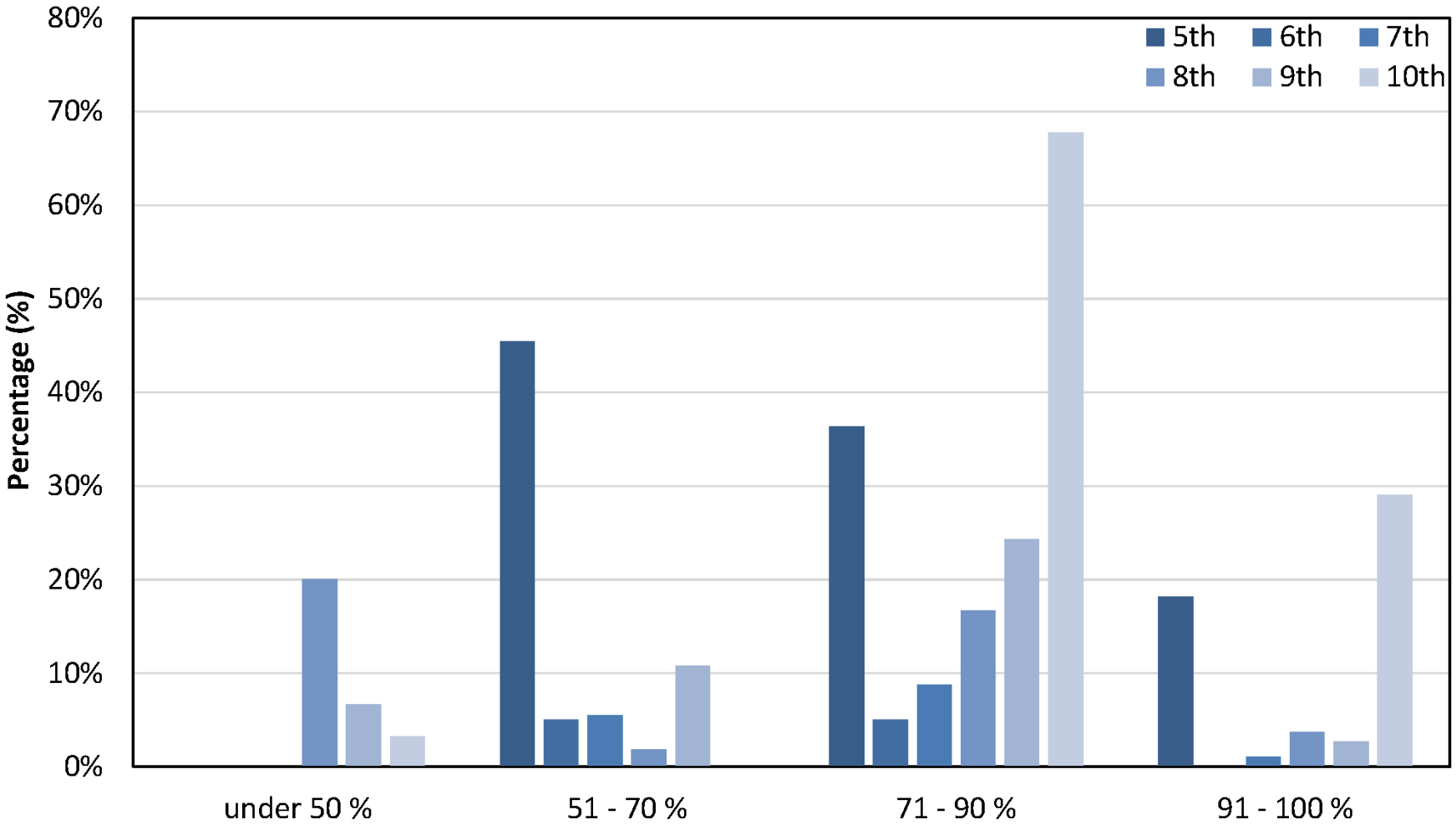

What was your maximum score?
5th
6th
7th
8th
9th
10th
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Percentage (%)
under 50 %
51 - 70 %
71 - 90 %
91 - 100 %

n = 461


What score did you get the first time you completed the test?
Percentage (%)
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
5th
6th
7th
8th
9th
10th
under 50 %
51 - 70 %
71 - 90 %
91 - 100 %

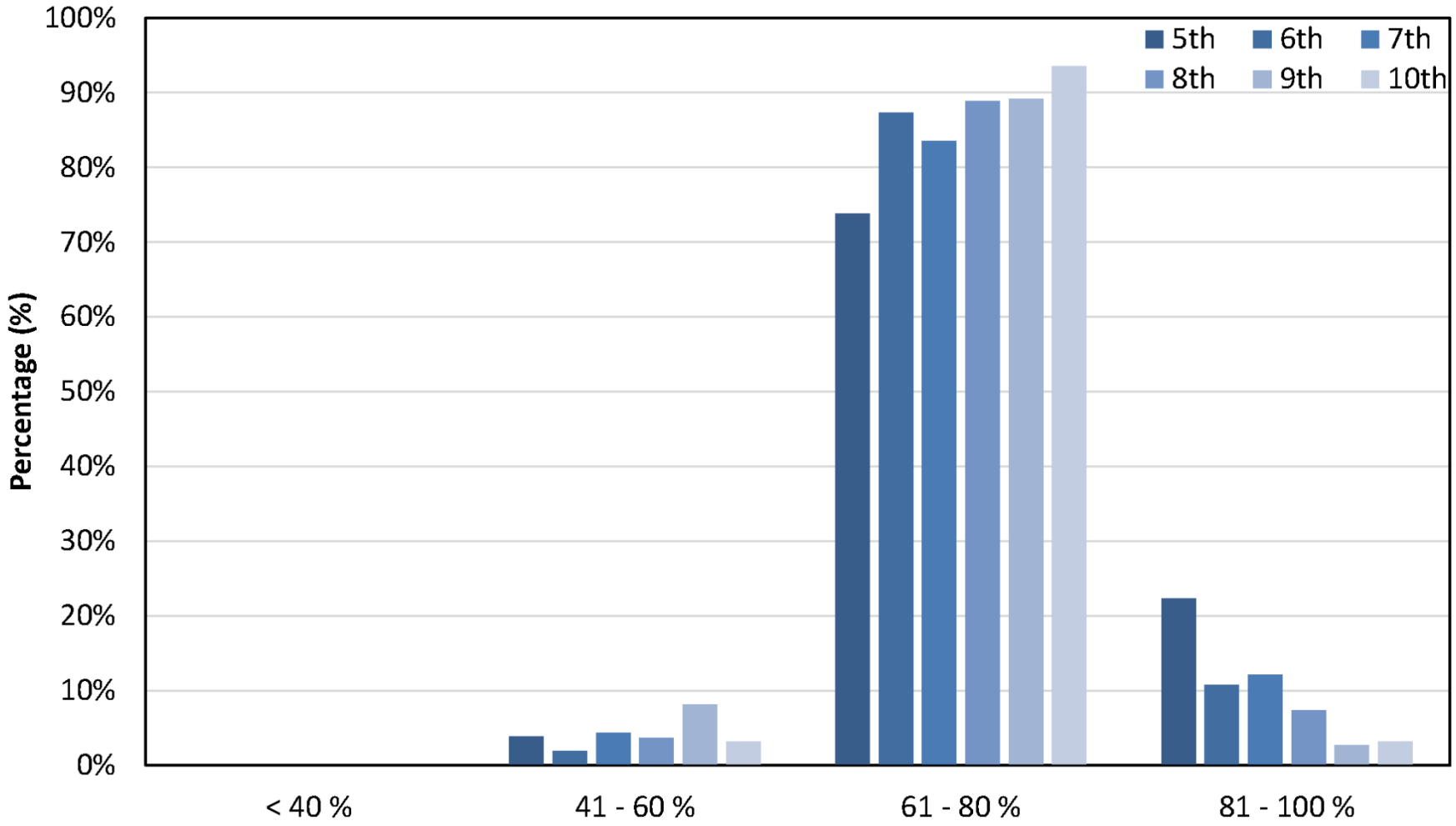
n = 461

What score did you expect to achieve the first time you completed the test?



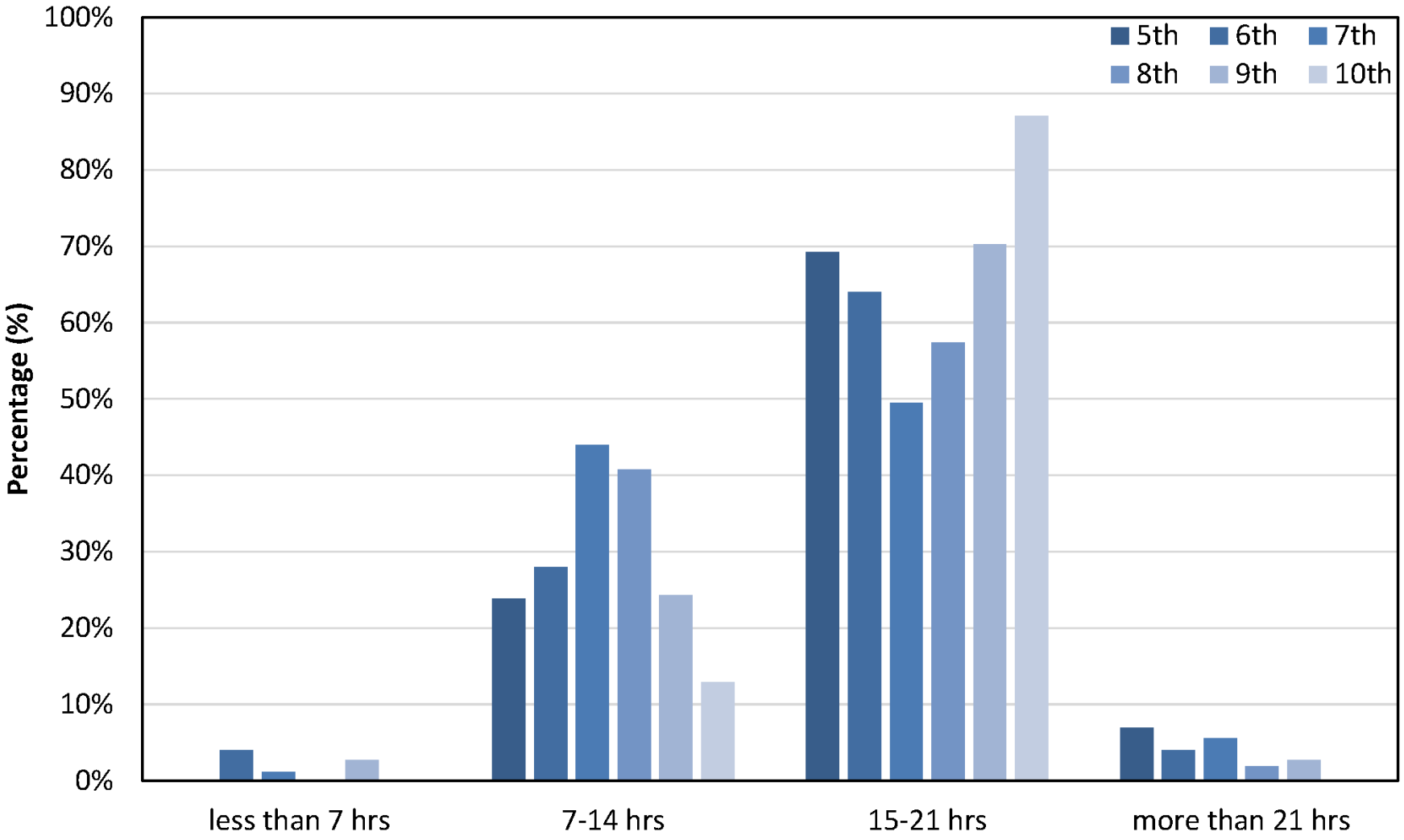
n = 461

How many percent of the lectures this year have you participated in?

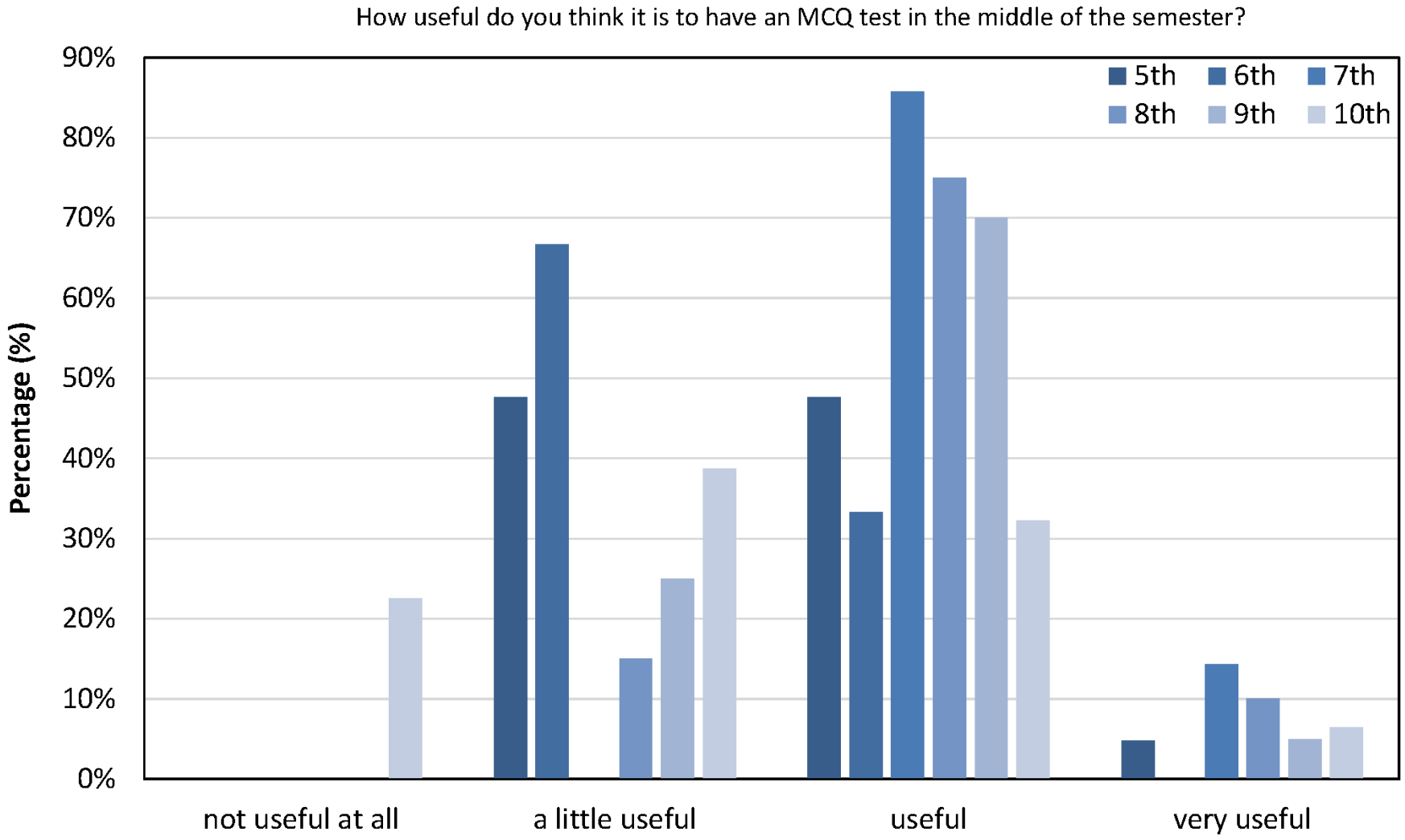


n = 461

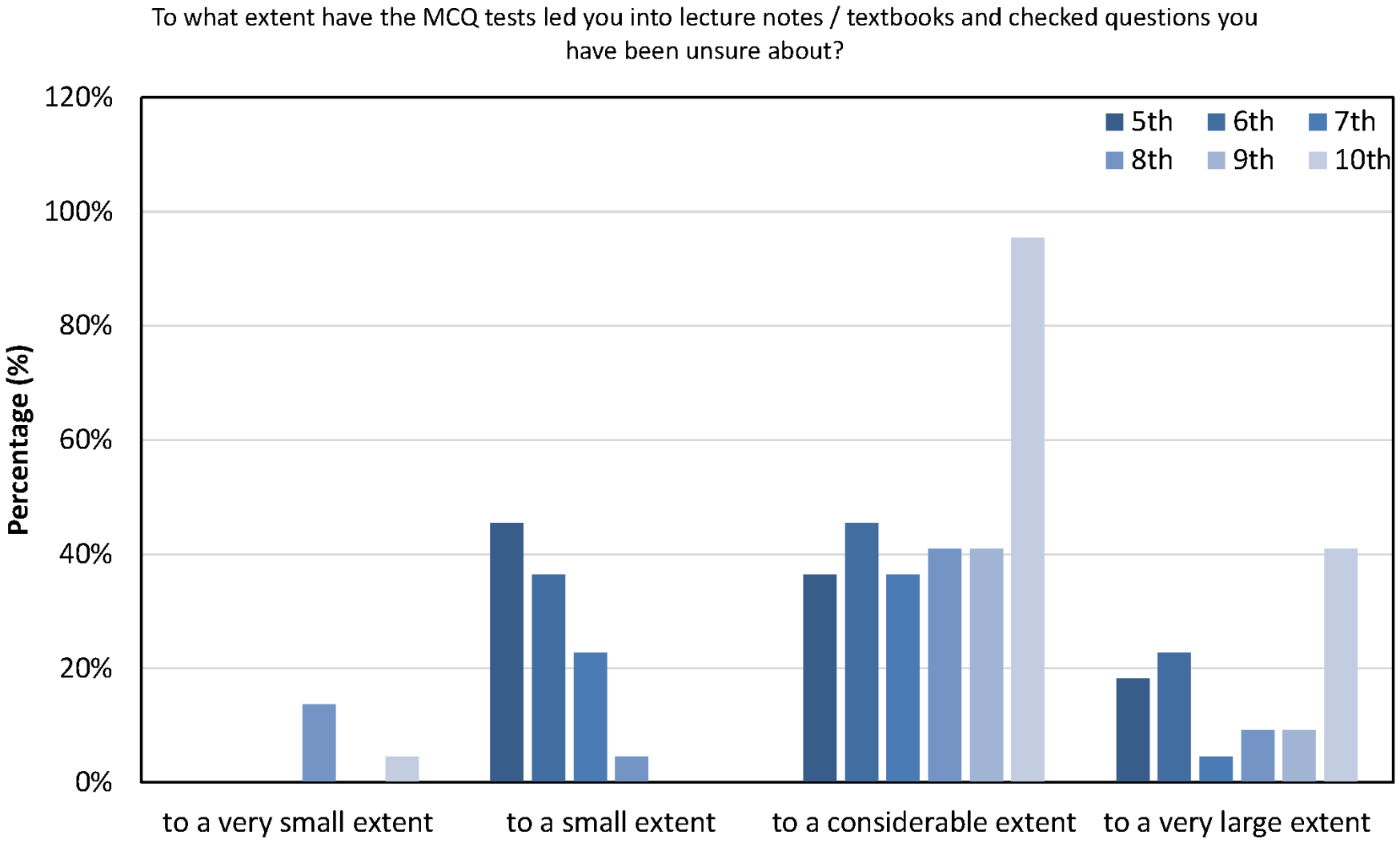
How many hours do you use to read / study on your own during the week?



n = 461

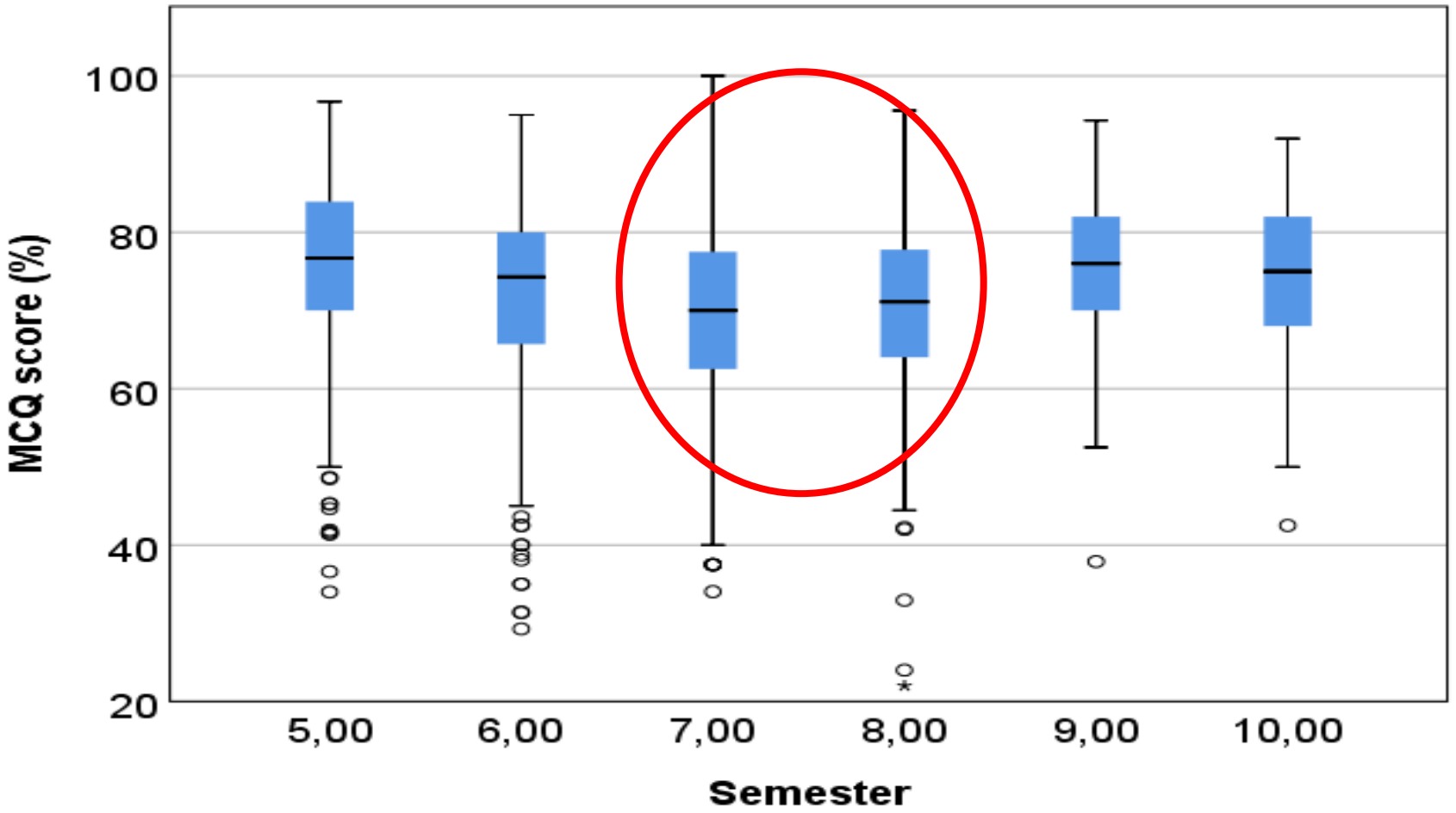

How useful do you think it is to have an MCQ test in the middle of the semester?
Percentage (%)
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
5th
6th
7th
8th
9th
10th
not useful at all
a little useful
useful
very useful

n = 140


To what extent have the MCQ tests led you into lecture notes / textbooks and checked questions you have been unsure about?
120%
100%
80%
60%
40%
20%
0%
Percentage (%)
5th
6th
7th
8th
9th
10th
to a very small extent
to a small extent
to a considerable extent
to a very large extent

n = 140

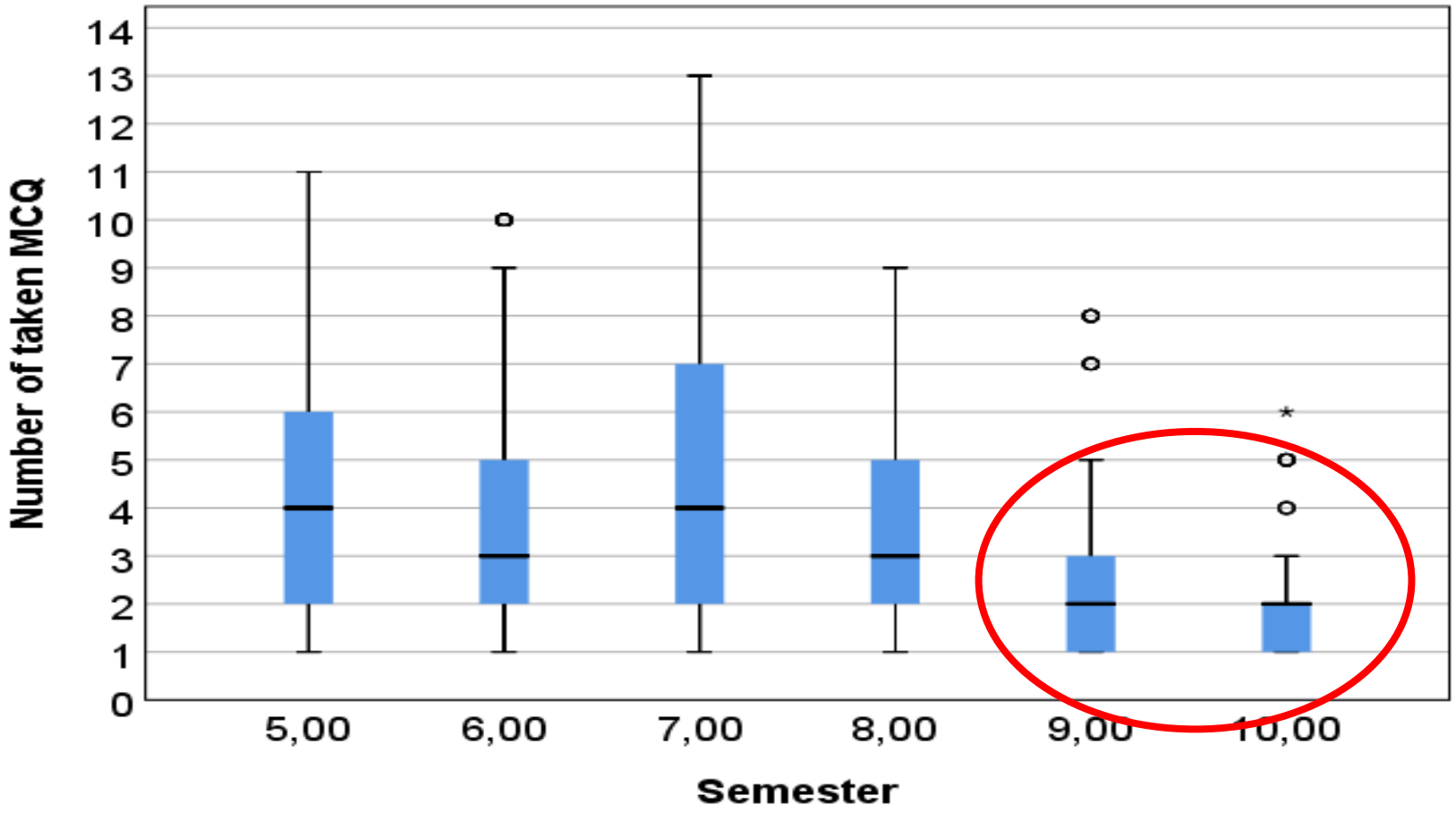
Student assessment vs semester



→ MCQ lowest for 7th and 8th sem

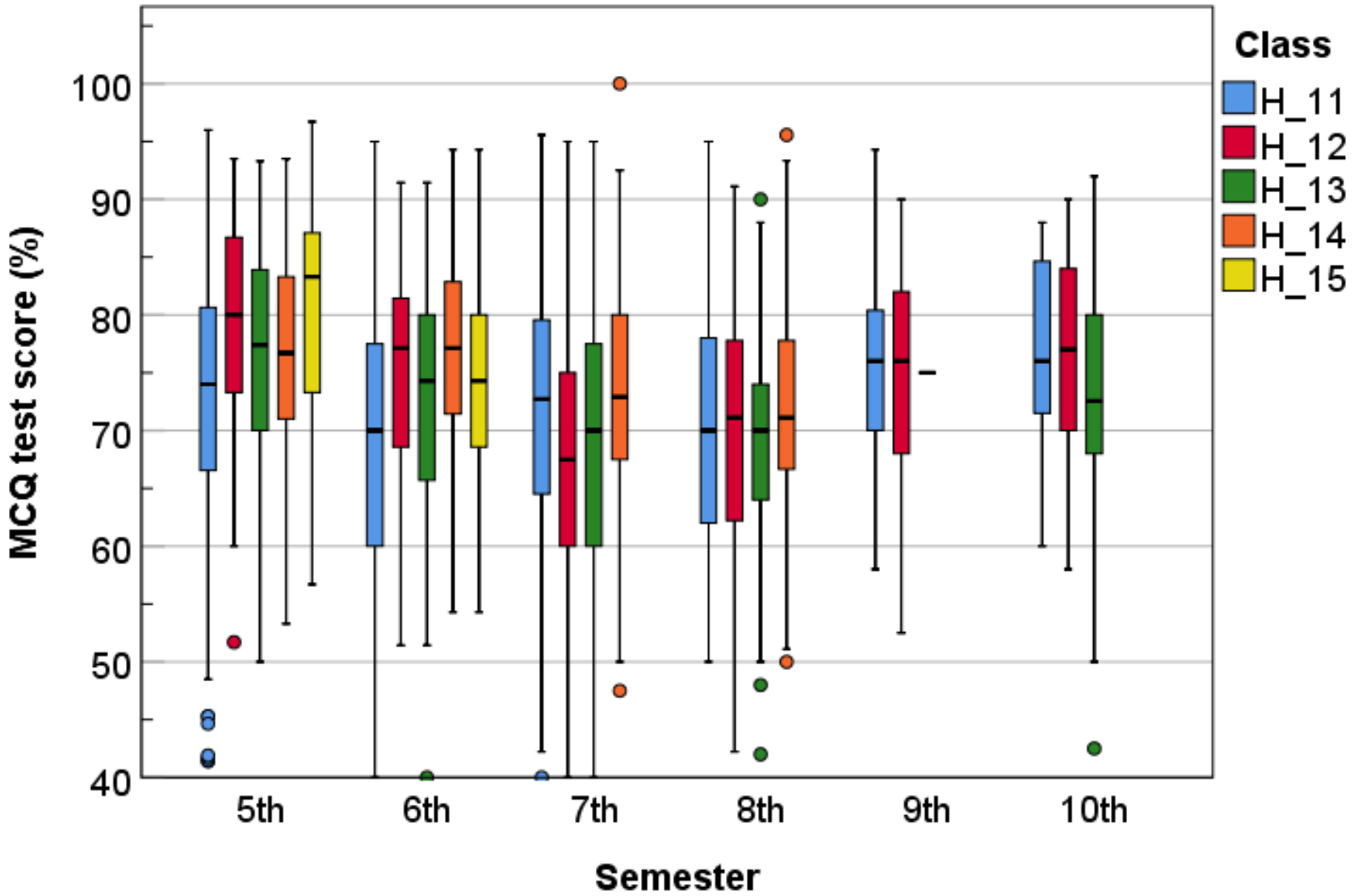
All group significant difference except 5 vs 9, 5 vs 10 and 9 vs 6, n=2230

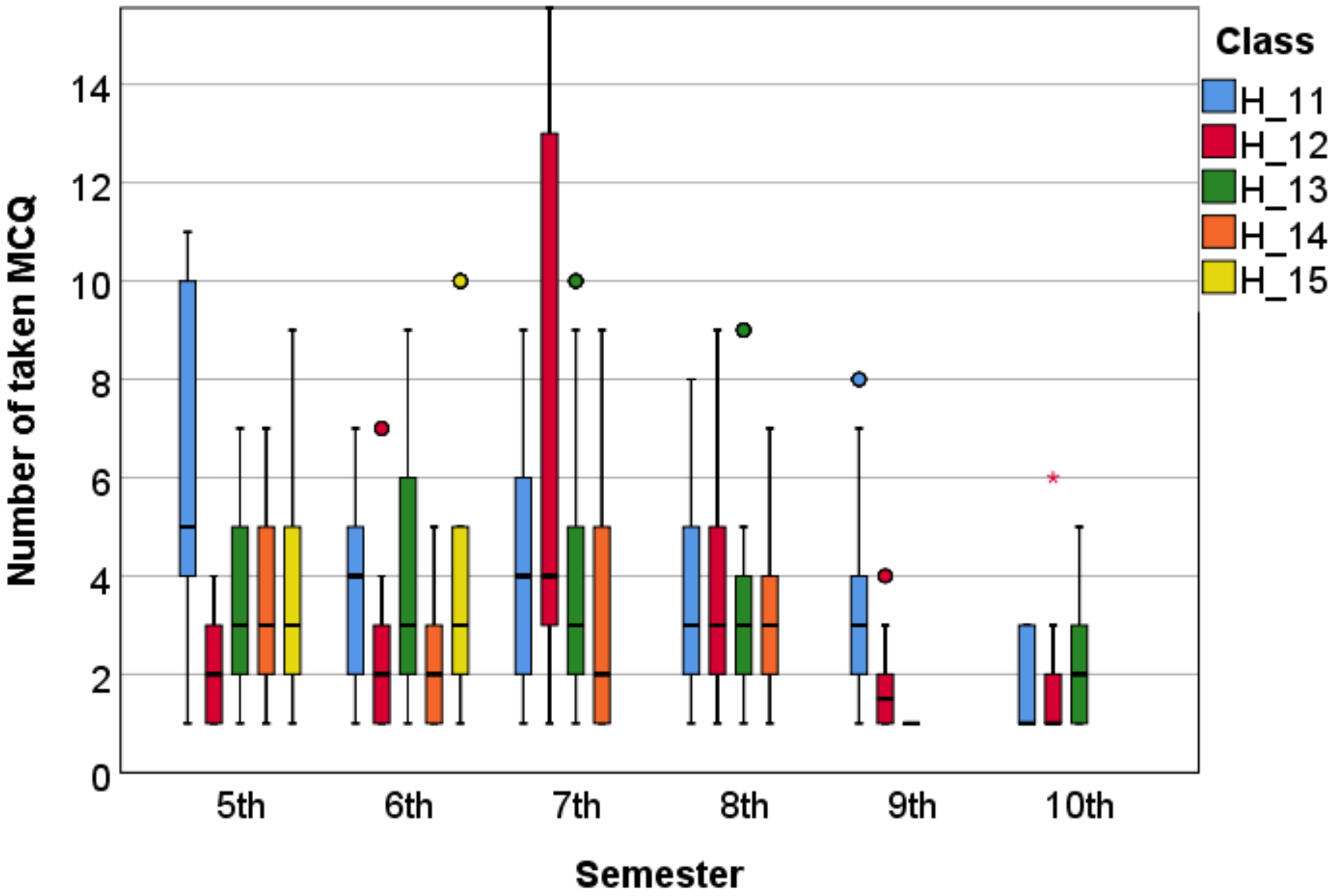
Student assessment vs semester

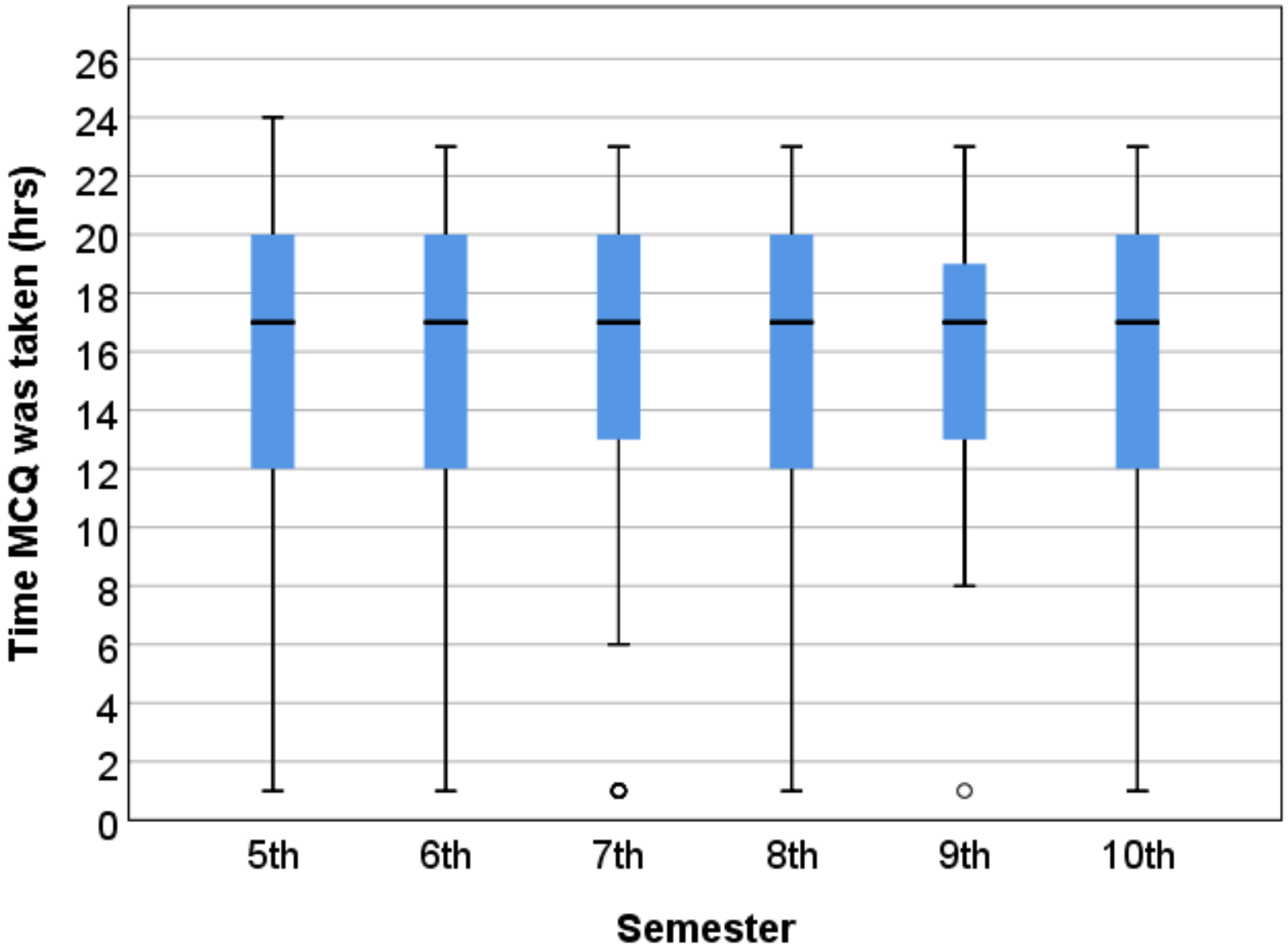


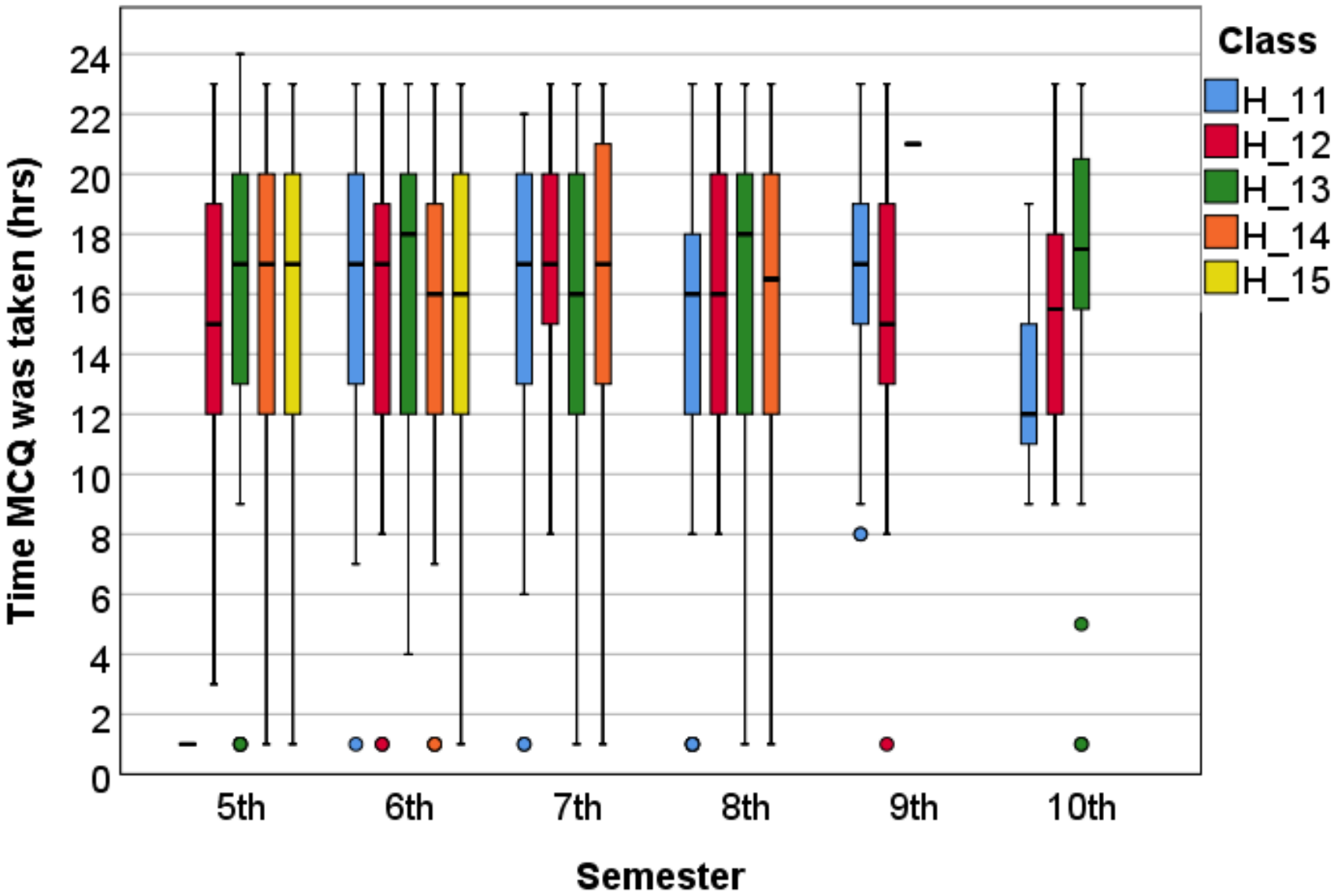
→less retakes for 9th and 10th , **highest for 7th**

All groups significant difference except 5 vs 7, and 8 vs 6, n=2230


MCQ test score (%)
100
90
80
70
60
50
40
5th
6th
7th
8th
9th
10th
Semester
Class
H_11
H_12
H_13
H_14
H_15


Class
H_11
H_12
H_13
H_14
H_15
Number of taken MCQ
0
2
4
6
8
10
12
14
5th
6th
7th
8th
9th
10th
Semester


Time MCQ was taken (hrs)
26
24
22
20
18
16
14
12
10
8
6
4
2
0
5th
6th
7th
8th
9th
10th
Semester


Time MCQ was taken (hrs)
0
2
4
6
8
10
12
14
16
18
20
22
24
5th
6th
7th
8th
9th
10th
Semester
Class
H_11
H_12
H_13
H_14
H_15

Student assessment

Pearson correlation	How many hours do you use to read / study on your own during the week?
Percent MCQ	0.425**
Number Of MCQ taken	-0.357**
How clear were the different questions formulated?	0.416**
How many percent of the lectures this year have you participated in?	0.403**

Small correlation if 0.1 < |r| < 0.3, Medium corr. if 0.3 < |r| < 0.5, Strong corr. if 0.5 < |r| < 1
*. P > 0.05 level (1-tailed). ** P > 0.01 level (1-tailed).

	Semester	TimeMCQ	Percent	NumberOfMCQ	How useful is such an MCQ test?	To what extent do you know the knowledge goals in the individual subjects?	To what extent do you know the questions in the multiple-choice test from the knowledge goals0. please refer to the previous question?	To what extent have the questions been address in lectures?	How was the level of difficulty in the test?	How clear were the different questions formulated?	How many hours do you use to read / study on your own during the week?	How many percent of the lectures this year have you participated in?	What score did you expect to achieve the first time you completed the test?	What score did you get the first time you completed the test?	What was your maximum score?	have the MCQ tests led you into lecture notes / textbooks and checked questions you	have the MCQ tests that were added in the middle of each semester meant that you
Semester	1	0.006	-0.097**	-0.125**	-0.114**	0.000	0.101*	0.280**	-0.227**	0.046	-0.043	-0.170**	0.271**	**-0.485****	**0.477****	0.271**	**0.477****
TimeMCQ	0.006	1	-0.006	0.061**	0.029	-0.039	-0.114**	0.057	0.033	0.028	0.149**	0.087*	-0.056	0.168	-0.097	-0.056	-0.097
Percent	-0.097**	-0.006	1	-0.242**	0.083*	-0.019	-0.145**	0.014	0.104*	0.248**	**0.425****	**0.383****	0.113	0.057	-0.066	0.113	-0.066
NumberOfMCQ	-0.125**	0.061**	-0.242**	1	-0.009	0.054	-0.066	-0.025	0.014	-0.167**	**-0.357****	0.076	-0.117	0.241*	-0.110	-0.117	-0.110
How useful is such an MCQ test?	-0.114**	0.029	0.083*	-0.009	1	-0.240**	**-0.311****	-0.071	0.007	-0.055	0.087*	0.026	0.006	**0.321****	0.065	0.006	0.065
To what extent do you know the knowledge goals in the individual subjects?	0.000	-0.039	-0.019	0.054	-0.240**	1	0.038	0.191**	0.020	-0.014	-0.025	0.096*	-0.077	0.069	-0.236*	-0.077	-0.236*
To what extent do you know the questions in the multiple-choice test from the knowledge goals0. please refer to the	0.101*	-0.114**	-0.145**	-0.066	-0.311**	0.038	1	-0.063	-0.110*	-0.004	-0.123**	-0.249**	0.101	**-0.311****	0.147	0.101	0.147
To what extent have the questions been address in lectures?	0.280**	0.057	0.014	-0.025	-0.071	0.191**	-0.063	1	-0.018	0.037	0.069	0.008	0.253*	-0.173	0.266**	0.253*	0.266**
How was the level of difficulty in the test?	-0.227**	0.033	0.104*	0.014	0.007	0.020	-0.110*	-0.018	1	0.209**	0.100*	0.155**	-0.056	0.198*	-0.142	-0.056	-0.142
How clear were the different questions formulated?	0.046	0.028	0.248**	-0.167**	-0.055	-0.014	-0.004	0.037	0.209**	1	**0.416****	0.240**	0.067	-0.074	0.169	0.067	0.169
How many hours do you use to read / study on your own during the week?	-0.043	0.149**	**0.425****	**-0.357****	0.087*	-0.025	-0.123**	0.069	0.100*	**0.416****	1	**0.403****	0.115	-0.069	0.031	0.115	0.031
How many percent of the lectures this year have you participated in?	-0.170**	0.087*	**0.383****	0.076	0.026	0.096*	-0.249**	0.008	0.155**	0.240**	**0.403****	1	-0.051	0.119	-0.098	-0.051	-0.098
What score did you expect to achieve the first time you completed the test?	0.271**	-0.056	0.113	-0.117	0.006	-0.077	0.101	0.253*	-0.056	0.067	0.115	-0.051	1	-0.141	**0.388****	1.000**	**0.388****
What score did you get the first time you completed the test?	**-0.485****	0.168	0.057	0.241*	**0.321****	0.069	**-0.311****	-0.173	0.198*	-0.074	-0.069	0.119	-0.141	1	**-0.392****	-0.141	**-0.392****
What was your maximum score?	**0.477****	-0.097	-0.066	-0.110	0.065	-0.236*	0.147	0.266**	-0.142	0.169	0.031	-0.098	**0.388****	**-0.392****	1	**0.388****	1.000**
To what extent have the MCQ tests led you into lecture notes / textbooks and checked questions you have been	0.271**	-0.056	0.113	-0.117	0.006	-0.077	0.101	0.253*	-0.056	0.067	0.115	-0.051	1.000**	-0.141	**0.388****	1	**0.388****
To what extent have the MCQ tests that were added in the middle of each semester meant that you have started	**0.477****	-0.097	-0.066	-0.110	0.065	-0.236*	0.147	0.266**	-0.142	0.169	0.031	-0.098	**0.388****	**-0.392****	1.000**	**0.388****	1

**. Correlation is significant at the 0.01 level (1-tailed).