

**scales ix
inductive-logical thinking
benchmark report**

TEST TEST

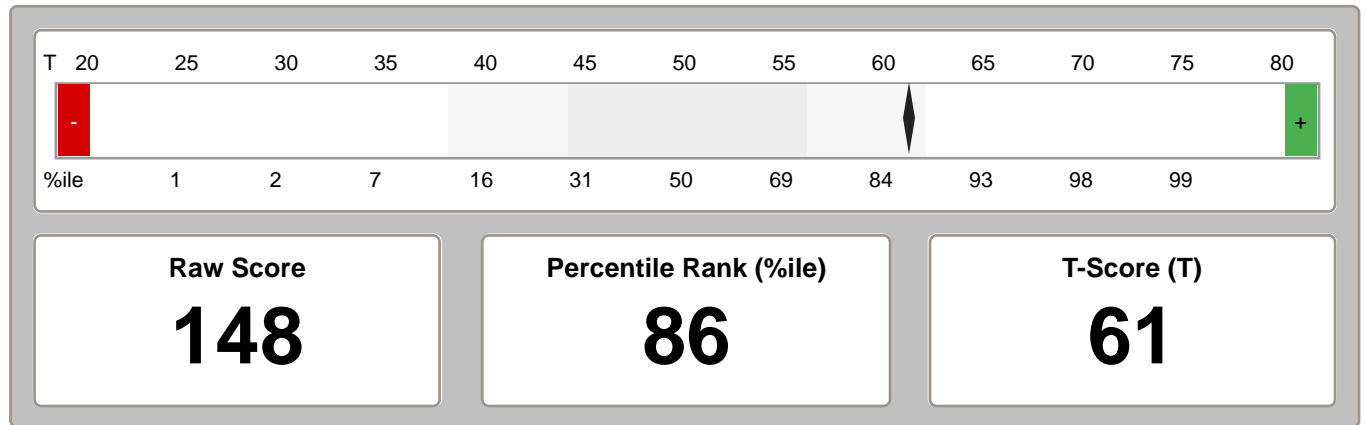
Administration: 01.03.2018

Report generated: 01.03.2018

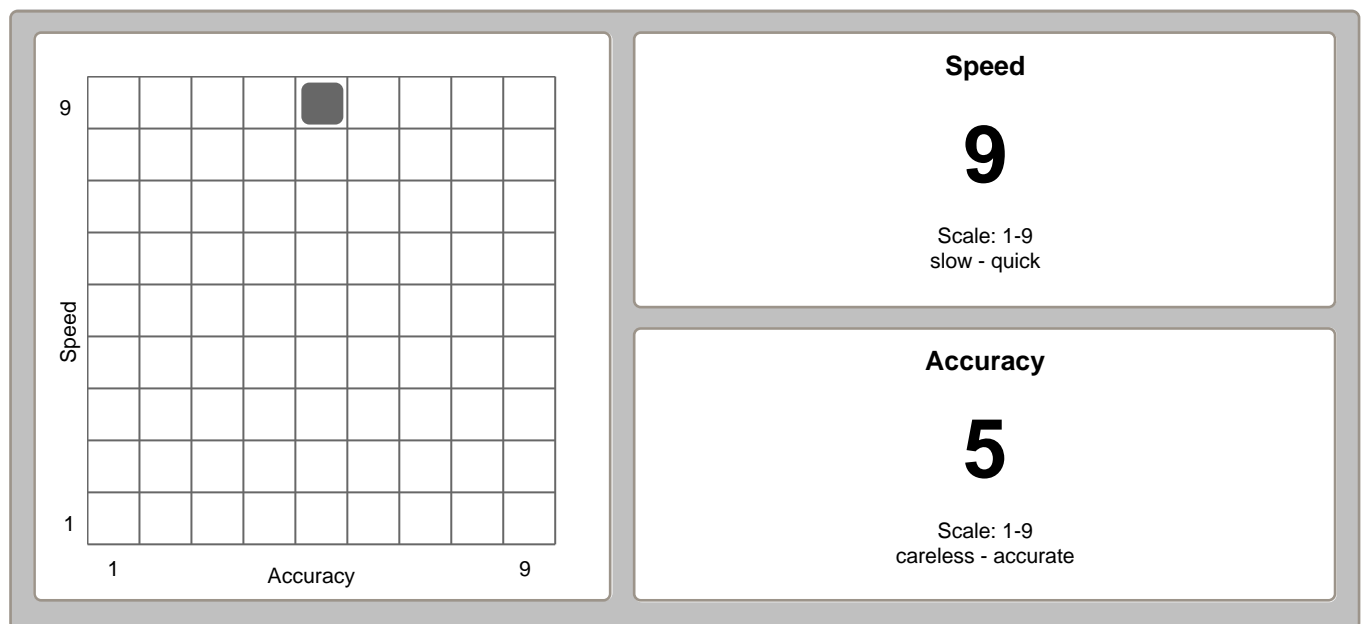
Online Assessment



Performance



Processing style



Further Details

Items in the test	20		
Items attempted	20		
Solved items as a percentage of attempted items	80 %		
Language of Administration	Greek		
Norm group:	General adult population		

Category	1	2	3
correct	12	2	2
wrong	0	3	1

Guidelines for Interpretation

Performance

The assessment of the performance of a participant and therefore the ability of inductive reasoning is based on the number of correct responses minus the number of incorrect responses. The 20 tasks of the test are classified in three ascending difficulty categories. For each correct response in category 1 (tasks 1 to 12) eight points are given. For each correct response in category 2 (tasks 13 to 17) twelve points are given. For each correct response in category 3 (tasks 18-20) sixteen points are given. For each incorrect response (independent of the difficulty category) one point is subtracted. The raw score is benchmarked against a comparison group in order to classify the participant's performance. For this benchmark comparison t-scores and percentiles (%ile) are calculated.

The percentile indicates the proportion of people in the comparison group with a raw score lower than that of the participant. A percentile of say 70 means that the performance of the participant is higher than the performance of 70% of the comparison group and lower than the performance of 30% of the comparison group.

The t-score is a linear transformation based on the comparison of the raw score with the comparison group. The mean of the t-score is 50. T-scores between 44 and 56 are interpreted as average. T-scores above 56 and below 44 are interpreted as above and below average respectively. For example: a participant with a t-score of 58 has a level of inductive logical reasoning above average benchmarked against the comparison group. T-scores under 38 and above 62 are interpreted as highly below and highly above average respectively.

The table shows how many correct and incorrect responses the participant has given in the three difficulty categories.

Processing Style

The processing style is defined by the two dimensions speed (fast vs. slow) and accuracy (accurate vs. careless). The raw score of the dimension speed results from the number of items attempted. The raw score of accuracy results from the number of items completed correctly compared to the number of items attempted.

The raw scores of speed and accuracy are benchmarked against a comparison group and mapped on a scale from 1 to 9. The higher the scores are on these two dimensions, the faster and more accurate will the processing style of the participant emerge when related to the comparison group. The chart shows the participant's scores. The scale „accurate vs. careless“ is the horizontal orientation in the chart and the scale „fast vs. slow“ is the vertical orientation in the chart. The participant's score on the two dimensions is indicated by a colored dot.

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