

## Checking Mental Capacity with the Attention Concentration Test

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### Availability of the test

The test is available on request (an email can be sent to the author).

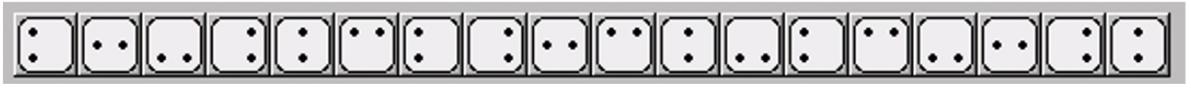
The Attention Concentration Test (see Wikipedia: Attention Concentration Test) can be used as a kind of mental capacity check. Unlike all existing intelligence and attention tests, this test has the special feature that it must be performed without errors. The test is aborted as soon as an error is made. In the Attention Concentration Test, the testee is shown a series of bars consisting of colors or dice. The person has to click on certain colors or dice. This should be done as fast as possible and no mistakes should be made. The time required for each bar is recorded. The standard version of the test consists of a series of 25 bars with the colors blue, green, yellow, orange, red and purple. Each of these colors occurs exactly three times. An example of such a bar can be found in figure 1. The order of the colors is arbitrary. Each color occurs once in the first six colors, once in the second six, and once in the third six colors. There are no adjacent colors that are the same. The instruction is to click on the red colors, the so-called targets. In the case of color blindness, one can use the dice version of the test. An example of this can be found in figure 2. The three-eyes dice must be clicked. A slightly more difficult version uses dice with only two eyes. An example is given in figure 3. The dice with two eyes horizontally in the middle must be clicked. Certainly because it is not allowed to make mistakes, the test can be used as a check on the mental functioning of the person. After the test is completed, a graph of the bar response times is displayed. It is recommended that the person retakes the test if the graph shows outliers. It is also recommended that the person practices the test prior to the actual test.



*Figure 1: Sample bar of the colours task of the Attention Concentration Test.*



*Figure 2: Sample bar of the simple dice task of the Attention Concentration Test.*



*Figure 3: Sample bar of the two-eyes dice task of the Attention Concentration Test.*

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