

# Trail – Making Tests

## From the MOCA: Montreal Cognitive Assessment

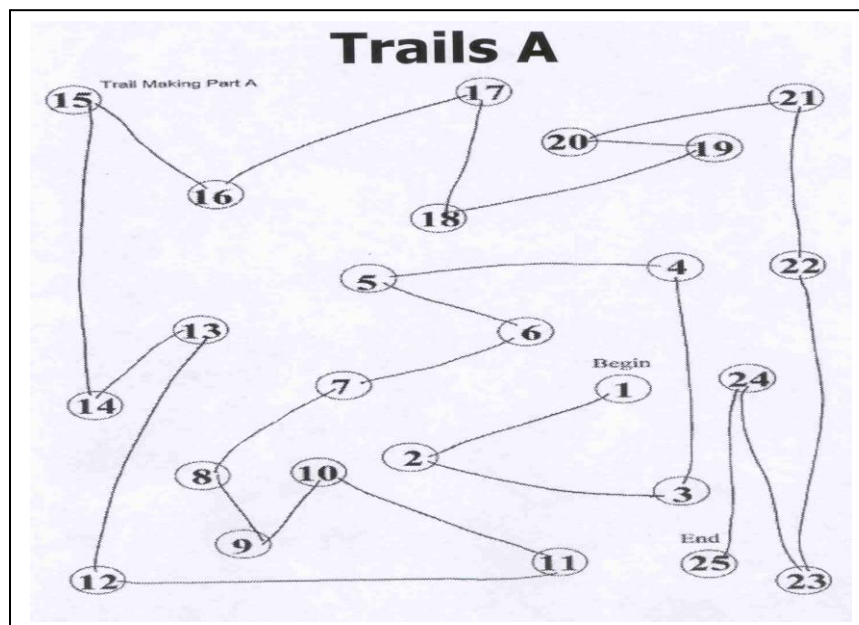
### The Tests:

“ The trail making tests A and B from the MOCA requires immediate recognition of the symbolic significance of number and letters, ability to scan the page continuously to identify the next number or letter in sequence, flexibility in integrating the numerical and alphabetical series, and completion of these requirements under the pressure of time “ (Reitan, 1992).

### General Instructions

#### Trail Making Part A:

1. Provide the person with the sample trails A first. Once completed correctly then move on to the actual Trails A.
2. Instruct the individual to, “Please draw a line connecting the numbers 1, 2, 3, 4 etc. in order until you reach the end. Try to draw the lines as fast as you can.”
3. If the person makes a mistake on the sample Trails A point it out to them and explain the error. i.e. “you skipped a circle; you started with the wrong number, etc.” Repeat the sample Trails A with correction instructions until they have completed it correctly or it becomes evident that they are unable to do the task.
4. Once the sample trails A has been completed correctly give them the real Trails A. Repeat the instructions as given in step one.
5. Start timing the test as soon as the instruction is given to begin the test.



### Trail Making Part B:

1. Provide the individual with the sample Trails B. Once they have completed it correctly then move on to the actual Trails B.
2. Instruct the individual that this second part of the test is slightly more difficult as it requires them to alternate between numbers and letters. Say “On this page are some numbers and letters. Begin at 1 and draw a line from 1 to A, A to 2, 2 to B, and so forth until you reach the end. Remember first you have a number, then a letter, then a number, and so on. Draw the lines as fast as you can.”
3. If the person makes a mistake on the sample Trails B, point out the error and explain why it is incorrect. Repeat this procedure until the task is performed correctly or it becomes apparent they cannot complete the task.
4. After the person has completed the sample Trails B provide them with the actual Trails B. Repeat the instruction given in point 2. Timing begins as soon as the person is told to begin.
5. Be alert for mistakes. If the person makes a mistake point it out to them immediately, return the person to the last correct circle and continue the test from that point. Continue timing and record the number of errors made until task is completed

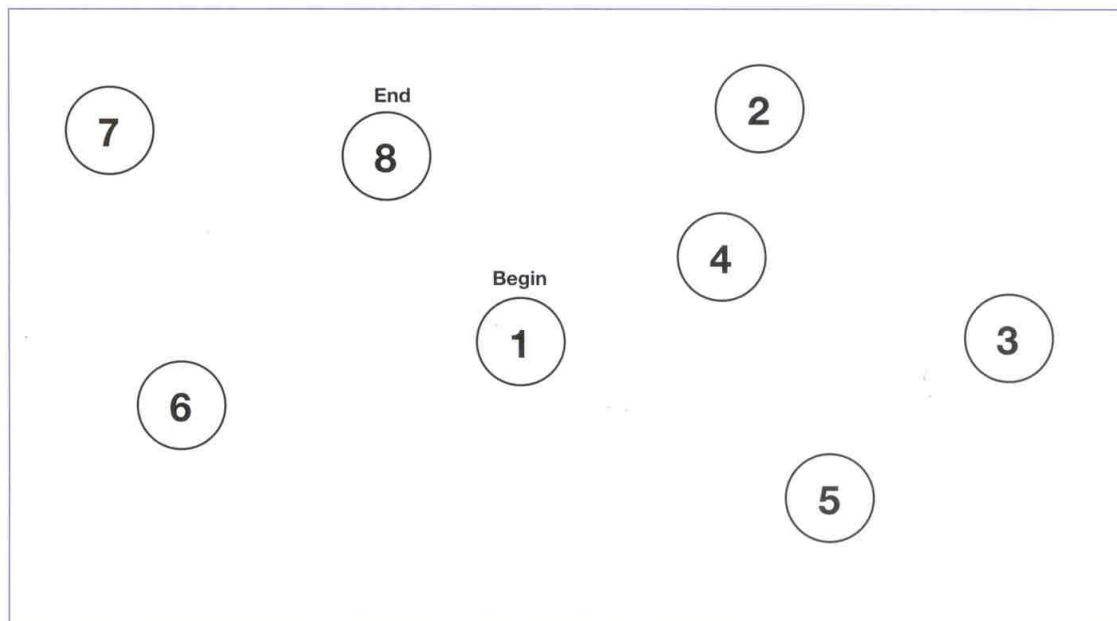
### Scoring Trails A and B

1. Part A and B are scored separately. The score for each part is the number of seconds required to complete the task.
2. More than 1 error or scoring below the 10th percentile in the time (in seconds) taken raises concerns (50th percentile is given for comparison).
3. Generally time over 3 minutes or > 1 error is a failure.

Norms for Trails A and B by age (in seconds) and education				
Age	Percentiles	Trails A* (education – no change)	Trails B	
			≤Grade 12	>Grade 12*
65-69	50	37 seconds	86	68
	<b>10</b>	<b>53</b>	<b>137</b>	<b>77</b>
70-74	50	38	101	84
	<b>10</b>	<b>61</b>	<b>172</b>	<b>112</b>
75-79	50	46	120	81
	<b>10</b>	<b>70</b>	<b>189</b>	<b>178</b>
80-84	50	52	140	128
	<b>10</b>	<b>93</b>	<b>158</b>	<b>223</b>

## Trails A: Sample

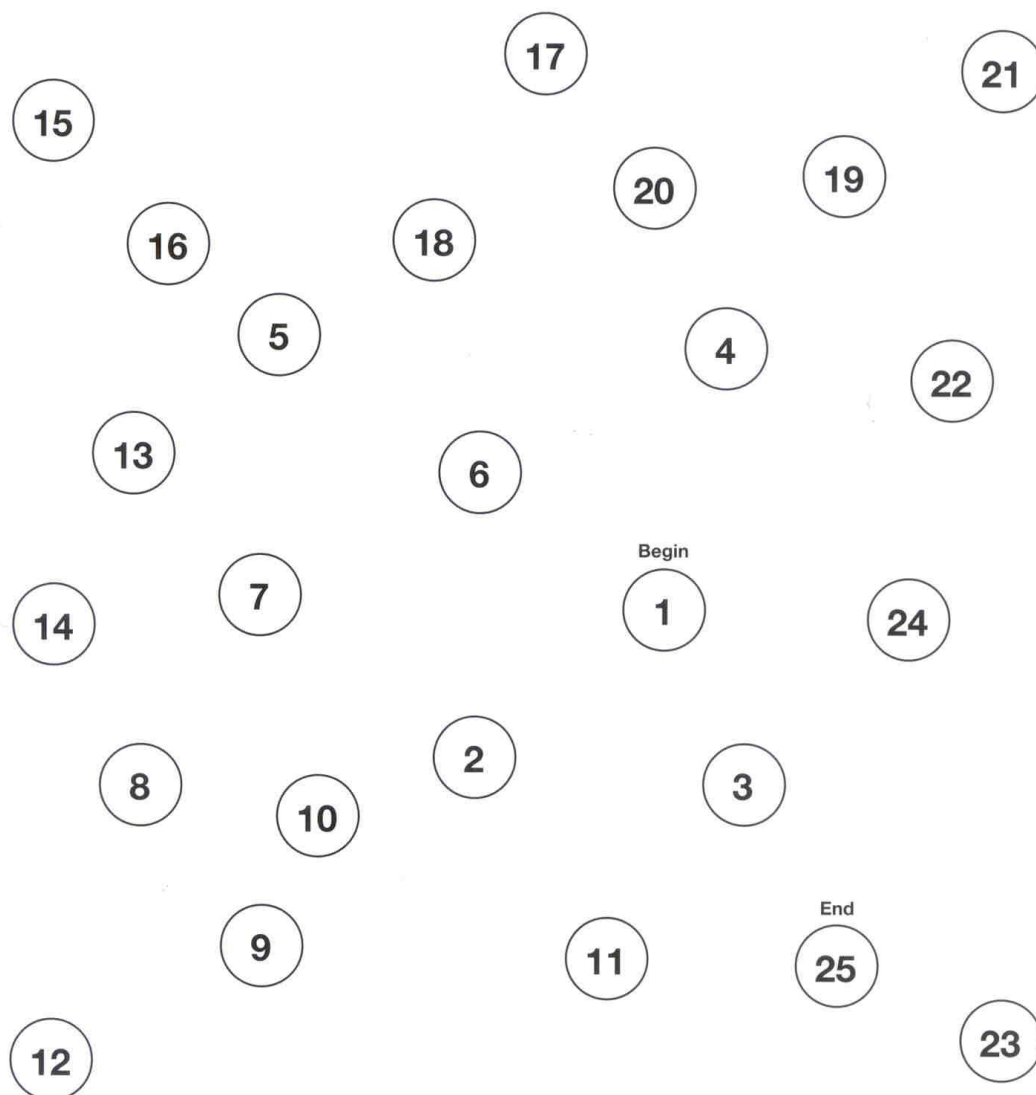
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SAMPLE ONLY

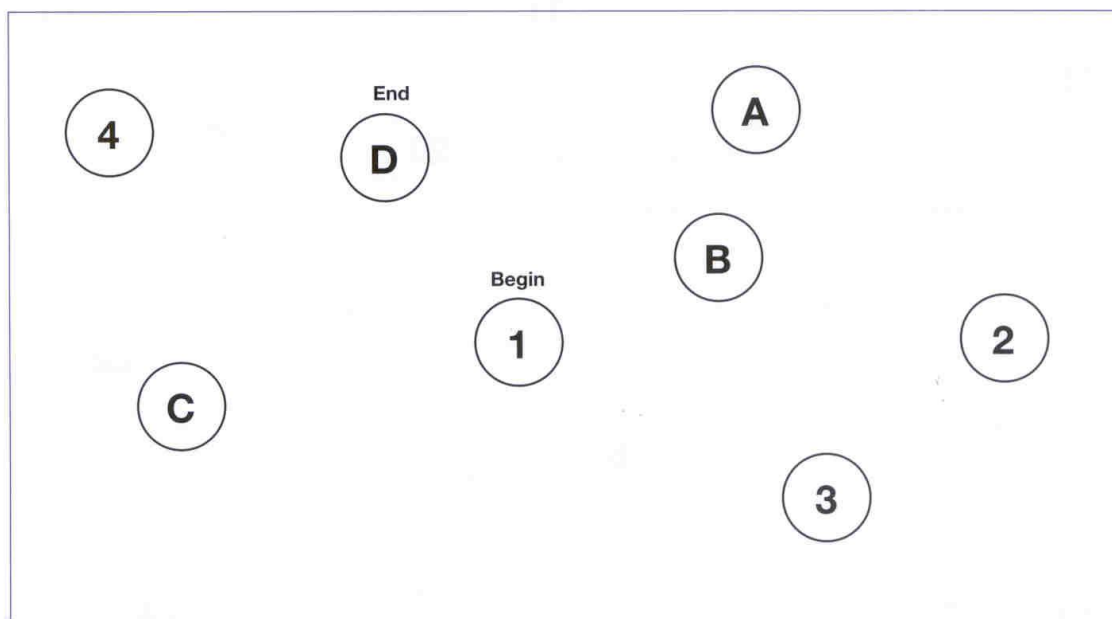
## Trials A

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## Trails B: Sample

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SAMPLE ONLY

## Trails B

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