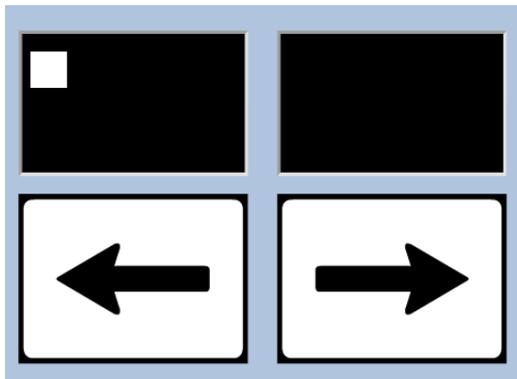


Cognitive Test Airwave

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Reaction Test (Airwave)



Test Parameters

- There are 60 questions which require the participant to tap the correct pane (left or right) where the block appears.
- There is a staggered response time or delay (RSI) for the next block to appear (+300ms mod 800 e.g. 150->450->750).
- Responses are recorded and the time in milliseconds the participant takes to select an answer, including whether the response is correct, and the answer selected.

Sample Output

```
10,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,ScreenId,IfCorrect1Else0,ElapsedTime_ms,CorrectAnswer,ResponseStimulusInterval_ms,Empty,Empty,Dummy
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:52:38,RT8,1,10451,Right,350,,,9
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:52:49,RT9,1,2610,Right,650,,,10
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:52:52,RT10,1,32218,Left,150,,,11
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:25,RT11,1,385,Left,450,,,12
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:26,RT12,1,592,Right,750,,,13
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:27,RT13,1,509,Left,250,,,14
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:28,RT14,1,408,Right,550,,,15
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:28,RT15,1,547,Left,50,,,16
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:29,RT16,1,343,Left,350,,,17
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:30,RT17,1,441,Right,650,,,18
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:31,RT18,1,585,Right,150,,,19
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:32,RT19,1,380,Left,450,,,20
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:33,RT20,1,401,Right,750,,,21
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:33,RT21,1,379,Right,250,,,22
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:34,RT22,1,536,Right,550,,,23
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:35,RT23,1,361,Left,50,,,24
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:36,RT24,1,466,Right,350,,,25
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:37,RT25,1,353,Left,650,,,26
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:37,RT26,1,335,Left,150,,,27
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:38,RT27,1,350,Right,450,,,28
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:39,RT28,1,335,Right,750,,,29
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:40,RT29,1,384,Right,250,,,30
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:41,RT30,1,313,Left,550,,,31
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:41,RT31,1,387,Left,50,,,32
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:42,RT32,1,411,Right,350,,,33
```

Cognitive Test Airwave

11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:43,RT33,1,361,Right,650,,,34
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:43,RT34,1,510,Left,150,,,35
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:44,RT35,1,484,Right,450,,,36
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:46,RT36,1,394,Left,750,,,37
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:46,RT37,1,458,Right,250,,,38
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:47,RT38,1,375,Left,550,,,39
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:48,RT39,1,405,Left,50,,,40
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:49,RT40,1,400,Right,350,,,41
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:50,RT41,1,495,Left,650,,,42
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:50,RT42,1,489,Right,150,,,43
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:51,RT43,1,388,Left,450,,,44
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:52,RT44,1,501,Left,750,,,45
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:53,RT45,1,386,Left,250,,,46
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:54,RT46,1,410,Right,550,,,47
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:55,RT47,1,470,Right,50,,,48
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:55,RT48,1,422,Left,350,,,49
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:56,RT49,1,301,Right,650,,,50
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:57,RT50,1,552,Left,150,,,51
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:58,RT51,1,325,Right,450,,,52
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:53:59,RT52,1,588,Right,750,,,53
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:00,RT53,1,428,Left,250,,,54
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:01,RT54,1,515,Left,550,,,55
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:01,RT55,1,424,Left,50,,,56
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:02,RT56,1,358,Right,350,,,57
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:03,RT57,1,306,Right,650,,,58
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:04,RT58,1,447,Left,150,,,59
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:05,RT59,1,478,Right,450,,,60
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:06,RT60,1,291,Left,750,,,61
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:06,RT61,1,102,Left,250,,,62
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:07,RT62,1,350,Right,550,,,63
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:08,RT63,1,420,Right,50,,,64
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:08,RT64,1,385,Left,350,,,65
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:09,RT65,1,396,Left,650,,,66
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:10,RT66,1,396,Left,150,,,67
11,Reaction,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:11,RT67,1,336,Right,450,,,68

Quiz (Airwave)

1 2 3 4 5

Add all of the above numbers together.

Select the correct answer:

 13 14 15 16 17

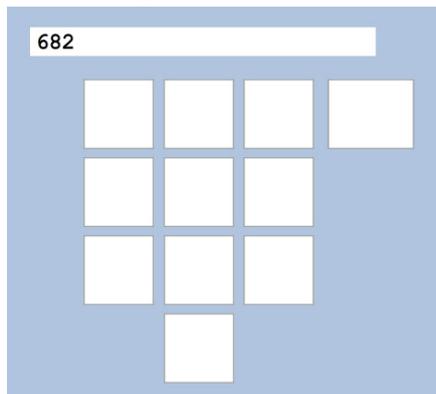
Test Parameters

- There are 13 questions which require the participant to choose the correct answer from multiple choices (5 options, with one exception having 4).
- The test duration is a fixed 2 minutes and ends abruptly when the 2 minutes is up, not allowing the participant to complete the question they are on.
- Responses are recorded and the time in milliseconds the participant takes to select an answer, including whether the response is correct, and the answer selected.

Sample Output

```
30,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,ScreenId,IfCorrect1Else0,ElapsedTime_ms,CorrectAnswer,SelectedAnswer,Empty,Empty,Dummy
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:39,RQ00,1,7707,3,3,,,3
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:46,RQ01F,1,8057,4,4,,,4
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:54:54,RQ02C,1,7359,2,2,,,5
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:55:02,RQ03H,1,7714,4,4,,,6
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:55:09,RQ04E,1,7113,2,2,,,7
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:55:17,RQ05D,1,7648,3,3,,,8
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:55:24,RQ06I,1,13457,2,2,,,9
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:55:38,RQ07J,1,7946,4,4,,,10
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:55:46,RQ08G,0,9878,2,1,,,11
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:55:55,RQ09B,1,7218,5,5,,,12
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:56:03,RQ10,1,6725,5,5,,,13
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:56:09,RQ11,1,6718,1,1,,,14
31,Quiz,v1.0.0,Windows 10,None,12345,13/09/2018 07:56:16,RQ12K,1,7265,1,1,,,15
```

Working Memory (Airwave)



Test Parameters

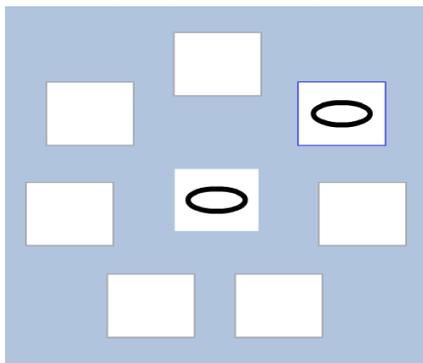
- The participant is shown a number to remember and given a proportionate amount of time in which to remember and then recall depending on the length of the number (number of digits)
- Numeric string of numbers is randomly generated with an algorithm that prevents over simplification of repeated numbers, with the number string growing in length (by one digit) when the participant answers correctly.
- The participant is given unlimited attempts as a practice for single- and double-digit length numbers

- The test ends when the participant has 2 incorrect responses at recalling the number string twice in a row (2 strikes), or the participant reaches the end of the test (24-digit length string)

Sample Output

```
50,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,ScreenId,Digits,ElapsedTime_ms,Number,Entered,Strikes,Empty,Dummy
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 09:59:19,WMA,1,721,1,1,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 09:59:26,WMA,2,995,60,60,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 09:59:34,WMA,3,1669,813,813,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 09:59:44,WMA,4,2046,1324,1324,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 09:59:54,WMA,5,2478,42076,42076,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 10:00:05,WMA,6,3555,346031,346031,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 10:00:18,WMA,7,3995,2718473,2718473,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 10:00:32,WMA,8,5201,54754621,54754621,0,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 10:00:47,WMA,9,8745,670285423,470285421,1,,1
51,WorkingMemory,v1.0.0,Windows 10,None,12345,13/09/2018 10:01:07,WMA,9,6453,504108745,574108745,2,,1
```

Pairing 7 (Airwave)



Test Parameters

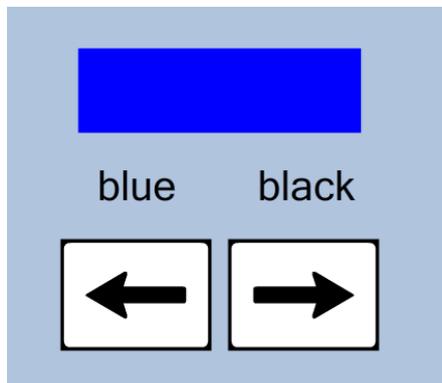
- The participant is shown 7 different shapes in 7 different locations one after another and must remember at which location they appeared.
- After all shapes have been shown and hidden, one of the shapes is shown in the middle of the screen and the participant is invited to choose its correct location based on where it appeared before.
- Incorrect guesses are record in addition to the elapsed time per correct response (including incorrect guesses)

Sample Output

```
20,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,ScreenId,NumberOfGuesses,ElapsedTime_ms,Level,Correct Answer,SelectedAnswer,Empty,Dummy
21,Pairing,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:01,P71,1,824,7,Oval,Oval,,1
21,Pairing,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:04,P72,1,453,7,Rectangle,Rectangle,,2
21,Pairing,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:05,P73,1,411,7,Star,Star,,3
21,Pairing,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:07,P74,1,1082,7,Triangle,Triangle,,4
```

21,Pairing,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:07,P75,1,349,7,Circle,Circle,,5
 21,Pairing,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:11,P76,1,353,7,Square,Square,,6
 21,Pairing,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:12,P77,1,298,7,Hash,Hash,,7

Stroop (Box Colour)



Test Parameters

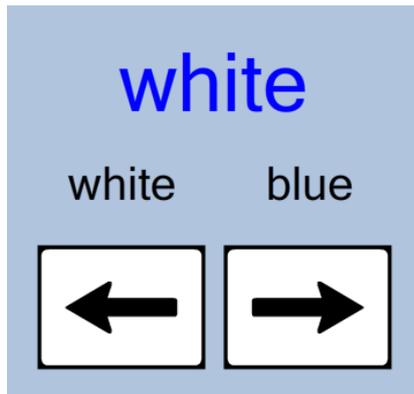
- The participant is shown a box coloured either red / blue / black / white and given the word describing the box colour below the box, one option either side (left and right)
- The participant is invited to select the correct option for the colour shown.
- There are 30 questions requiring the participant to select as fast and accurately as possible with no feedback on whether the response is correct / incorrect.

Sample Output

```
40,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,ScreenId,IfCorrect1Else0,ElapsedTime_ms,Level,CorrectAnswer,LeftColour,RightColour,Dummy
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:22,STA1,1,397,box,black,black,white,1
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:22,STA2,0,144,box,red,white,red,2
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:22,STA3,0,122,box,blue,black,blue,3
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:22,STA4,1,138,box,white,white,red,4
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:22,STA5,0,99,box,blue,black,blue,5
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA6,1,149,box,red,red,white,6
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA7,0,99,box,black,white,black,7
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA8,1,131,box,blue,blue,white,8
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA9,1,127,box,white,white,black,9
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA10,0,148,box,red,black,red,10
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA11,0,131,box,black,blue,black,11
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA12,0,132,box,blue,black,blue,12
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:23,STA13,1,126,box,red,red,black,13
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:24,STA14,0,149,box,white,black,white,14
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:24,STA15,0,216,box,blue,white,blue,15
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:24,STA16,0,374,box,red,black,red,16
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:24,STA17,0,245,box,white,red,white,17
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA18,1,148,box,black,black,red,18
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA19,1,121,box,white,white,blue,19
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA20,1,129,box,black,black,red,20
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA21,1,149,box,blue,blue,white,21
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA22,0,86,box,black,white,black,22
41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA23,1,154,box,red,red,white,23
```

41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA24,1,98,box,black,black,red,24
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:25,STA25,1,145,box,blue,blue,black,25
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:26,STA26,0,143,box,white,red,white,26
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:26,STA27,0,118,box,red,white,red,27
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:26,STA28,1,105,box,blue,blue,black,28
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:26,STA29,1,146,box,black,black,white,29
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:13:26,STA30,1,116,box,white,white,black,30

Stroop (Ink Colour)



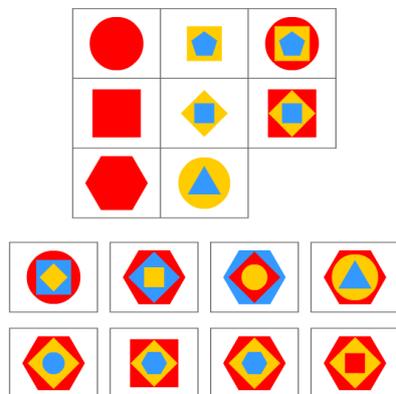
Test Parameters

- The participant is shown a word describing a colour which itself is coloured either red / blue / black / white and given the word describing the ink colour below the box, one option either side (left and right)
- The participant is invited to select the correct option for the ink colour shown.
- There are 30 questions requiring the participant to select as fast and accurately as possible with no feedback on whether the response is correct / incorrect.

41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:25,STB1,1,6666,ink,black,blue,black,1
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:31,STB2,0,145,ink,white,white,red,2
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:31,STB3,1,123,ink,blue,black,blue,3
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:31,STB4,1,147,ink,black,red,black,4
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB5,0,125,ink,blue,blue,white,5
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB6,1,127,ink,red,black,red,6
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB7,0,121,ink,white,white,blue,7
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB8,0,114,ink,red,red,white,8
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB9,1,145,ink,black,blue,black,9
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB10,1,108,ink,red,black,red,10
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB11,0,118,ink,white,white,blue,11
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:32,STB12,0,117,ink,black,black,white,12
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB13,0,142,ink,white,white,red,13
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB14,1,114,ink,blue,black,blue,14
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB15,0,126,ink,red,red,white,15
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB16,0,116,ink,white,white,black,16
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB17,0,122,ink,black,black,white,17
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB18,0,122,ink,red,red,black,18
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB19,1,127,ink,blue,white,blue,19
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:33,STB20,1,130,ink,white,black,white,20
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:34,STB21,1,117,ink,black,white,black,21

41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:34,STB22,1,122,ink,blue,black,blue,22
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:34,STB23,0,122,ink,red,red,white,23
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:34,STB24,1,120,ink,black,blue,black,24
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:34,STB25,1,133,ink,blue,white,blue,25
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:34,STB26,1,256,ink,black,red,black,26
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:34,STB27,0,131,ink,blue,blue,white,27
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:35,STB28,0,130,ink,white,white,red,28
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:35,STB29,1,145,ink,blue,black,blue,29
 41,Stroop,v1.0.0,Windows 10,None,12345,13/09/2018 08:14:35,STB30,0,104,ink,red,red,white,30

Matrices (COGNITO)



Test Parameters

- There are 15 questions which require the participant to select the correct missing tile.
- There is a 60 second time out for each question, which if reached will automatically progress to the next question and mark the expired question as incorrect.
- There is a 2 second delay between transitions from one question to the next (clear screen).
- Responses are recorded and the time in milliseconds the participant takes to select an answer, including whether the response is correct, and the answer selected.

Sample Output

50,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,QuestionId,IfCorrect1Else0,ElapsedTime_ms,CorrectAnswer,SelectedAnswer,Empty,Empty,Sequence
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:46:47,1,1,1395,4,4,,,1
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:46:51,2,0,60002,3,0,,,2
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:47:53,3,0,60017,6,0,,,3
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:48:55,4,1,23854,1,1,,,4
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:49:21,5,0,60000,4,0,,,5
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:50:23,6,1,8359,6,6,,,6
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:50:33,7,1,9491,1,1,,,7
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:50:45,8,1,3597,6,6,,,8
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:50:50,9,1,1655,4,4,,,9
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:50:54,10,1,1298,1,1,,,10
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:50:57,11,1,4723,8,8,,,11
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:04,12,0,3352,2,3,,,12
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:09,13,1,2723,5,5,,,13

51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:14,14,1,1361,3,3,,,14
 51,Matrices,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:17,15,1,3140,7,7,,,15

Vocabulary (COGNITO)

- obsequious**
- pretentious
 - miserly
 - attentive
 - servile
 - ornamental
 - perverted

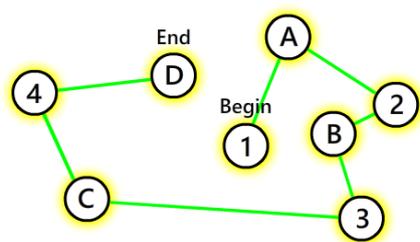
Test Parameters

- There are 20 questions in the short-form version of the test each showing 6 options to select the correct synonym.
- There is a 21 second time out for each question.
- There is a half second delay between transitions from one question to the next.
- Responses are recorded and the time in milliseconds the participant takes to select an answer, including whether the response is correct, and the answer selected.

Sample Output

```
60,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,QuestionId,IfCorrect1Else0,ElapsedTime_ms,CorrectAnswer,SelectedAnswer,Empty,Empty,Sequence
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:29,V1,1,1905,1,1,,,1
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:31,V2,1,1679,4,4,,,2
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:34,V3,1,1289,6,6,,,3
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:35,V4,1,1346,1,1,,,4
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:37,V5,1,1475,4,4,,,5
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:39,V6,1,1543,1,1,,,6
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:41,V7,1,1589,1,1,,,7
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:43,V8,1,1407,3,3,,,8
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:45,V9,1,1424,5,5,,,9
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:47,V10,1,1673,4,4,,,10
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:49,V11,1,1191,4,4,,,11
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:51,V12,1,2205,5,5,,,12
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:54,V13,1,1589,5,5,,,13
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:56,V14,1,1855,2,2,,,14
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:51:58,V15,1,4323,6,6,,,15
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:03,V16,1,1693,4,4,,,16
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:05,V17,1,1672,6,6,,,17
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:07,V18,0,2791,5,4,,,18
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:11,V19,1,1457,3,3,,,19
61,Vocabulary,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:13,V20,1,2588,3,3,,,20
```

Trails (UK Biobank)



Test Parameters

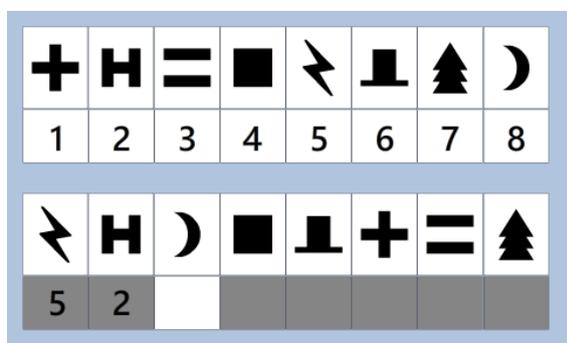
- There are 2 tests, a numeric trail and an alphanumeric trail.
- Responses are recorded and the time in milliseconds the participant takes to select the next step in the trail, including the number if attempts before the correct step is selected.

Sample Output

```
70,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,ScreenId,NumberOfAttempts,ElapsedTime_ms,Level,StepName,Empty,Empty,Step
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:23,T1_1,1,431,25,Trails_Test1_2,,,1
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:24,T1_2,1,401,25,Trails_Test1_3,,,2
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:24,T1_3,1,532,25,Trails_Test1_4,,,3
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:25,T1_4,1,401,25,Trails_Test1_5,,,4
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:25,T1_5,1,386,25,Trails_Test1_6,,,5
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:25,T1_6,1,383,25,Trails_Test1_7,,,6
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:26,T1_7,1,452,25,Trails_Test1_8,,,7
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:26,T1_8,1,404,25,Trails_Test1_9,,,8
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:27,T1_9,1,778,25,Trails_Test1_10,,,9
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:27,T1_10,1,413,25,Trails_Test1_11,,,10
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:28,T1_11,1,523,25,Trails_Test1_12,,,11
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:28,T1_12,1,500,25,Trails_Test1_13,,,12
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:29,T1_13,1,284,25,Trails_Test1_14,,,13
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:29,T1_14,1,575,25,Trails_Test1_15,,,14
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:30,T1_15,1,368,25,Trails_Test1_16,,,15
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:30,T1_16,1,448,25,Trails_Test1_17,,,16
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:31,T1_17,1,452,25,Trails_Test1_18,,,17
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:31,T1_18,1,599,25,Trails_Test1_19,,,18
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:31,T1_19,1,320,25,Trails_Test1_20,,,19
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:32,T1_20,1,323,25,Trails_Test1_21,,,20
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:32,T1_21,1,413,25,Trails_Test1_22,,,21
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:33,T1_22,1,858,25,Trails_Test1_23,,,22
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:33,T1_23,1,443,25,Trails_Test1_24,,,23
71,TrailsNumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:34,T1_24,1,509,25,Trails_Test1_25,,,24
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:40,T1_1,1,566,25,Trails_Test2_2,,,1
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:41,T1_2,1,481,25,Trails_Test2_3,,,2
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:41,T1_3,1,650,25,Trails_Test2_4,,,3
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:42,T1_4,1,592,25,Trails_Test2_5,,,4
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:42,T1_5,1,518,25,Trails_Test2_6,,,5
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:43,T1_6,1,508,25,Trails_Test2_7,,,6
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:43,T1_7,1,416,25,Trails_Test2_8,,,7
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:44,T1_8,1,476,25,Trails_Test2_9,,,8
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:44,T1_9,1,574,25,Trails_Test2_10,,,9
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:45,T1_10,1,632,25,Trails_Test2_11,,,10
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:46,T1_11,1,724,25,Trails_Test2_12,,,11
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:47,T1_12,1,1044,25,Trails_Test2_13,,,12
71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:47,T1_13,1,658,25,Trails_Test2_14,,,13
```

71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:49,T1_14,2,1807,25,Trails_Test2_15,,,14
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:50,T1_15,1,452,25,Trails_Test2_16,,,15
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:50,T1_16,1,467,25,Trails_Test2_17,,,16
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:51,T1_17,1,664,25,Trails_Test2_18,,,17
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:51,T1_18,1,335,25,Trails_Test2_19,,,18
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:52,T1_19,1,1083,25,Trails_Test2_20,,,19
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:53,T1_20,1,434,25,Trails_Test2_21,,,20
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:53,T1_21,1,751,25,Trails_Test2_22,,,21
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:54,T1_22,1,599,25,Trails_Test2_23,,,22
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:54,T1_23,1,418,25,Trails_Test2_24,,,23
 71,TrailsAlphanumeric,v1.0.0,Windows 10,None,33333,31/07/2018 16:52:55,T1_24,1,455,25,Trails_Test2_25,,,24

Symbols Digit Test (UK Biobank)



Test Parameters

- There are 33 potential code strings with one being selected at random for the key row (top row) and the next one in the array for the test row (bottom row).
- The test will continue to refresh the test row when the participant has completed entering digits for the test row (all 8 codes) and will move onto the next row in the array until the timer of 60 seconds has expired.
- The test will allow the participant to finish their current test row if the timer has expired but will not record any responses after the timeout.
- There is a 0.8 second delay to draw the next test row, during which time the overall timer (60s) is paused.
- Responses are recorded and the time in milliseconds the participant takes to select the next test row digit, including whether the response is correct, and the answer selected.

Sample Output

80,Test,Version,Clinic,InterviewerId,UserId,UserStartDateTime,keyDigits,codeDigits,IfCorrect1Else0,ElapsedTime_ms,CorrectAnswer,SelectedAnswer,ColNum,Attempt
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:11,40613752,56073214,1,1872,7,7,1,1
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:13,40613752,56073214,1,1140,3,3,2,2
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:14,40613752,56073214,1,1442,2,2,3,3
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:16,40613752,56073214,1,1741,6,6,4,4
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:17,40613752,56073214,1,1454,5,5,5,5
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:19,40613752,56073214,1,1077,8,8,6,6
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:20,40613752,56073214,1,1245,4,4,7,7
 81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:21,40613752,56073214,1,1068,1,1,8,8

81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:23,40613752,65130472,1,1438,3,3,1,9
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:25,40613752,65130472,1,1571,7,7,2,10
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:26,40613752,65130472,1,1253,4,4,3,11
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:27,40613752,65130472,1,1383,5,5,4,12
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:29,40613752,65130472,1,1403,2,2,5,13
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:30,40613752,65130472,1,1292,1,1,6,14
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:31,40613752,65130472,1,1733,6,6,7,15
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:33,40613752,65130472,1,849,8,8,8,16
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:35,40613752,41725630,1,1154,1,1,1,17
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:36,40613752,41725630,1,1292,4,4,2,18
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:37,40613752,41725630,1,2484,6,6,3,19
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:40,40613752,41725630,1,1508,8,8,4,20
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:41,40613752,41725630,1,2301,7,7,5,21
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:44,40613752,41725630,1,1349,3,3,6,22
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:45,40613752,41725630,1,1720,5,5,7,23
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:47,40613752,41725630,1,1248,2,2,8,24
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:49,40613752,52067413,1,1836,7,7,1,25
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:51,40613752,52067413,1,1412,8,8,2,26
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:52,40613752,52067413,1,1448,2,2,3,27
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:54,40613752,52067413,1,1325,3,3,4,28
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:55,40613752,52067413,1,1565,6,6,5,29
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:57,40613752,52067413,1,1308,1,1,6,30
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:58,40613752,52067413,1,1615,4,4,7,31
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:53:59,40613752,52067413,1,1479,5,5,8,32
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:02,40613752,30567241,1,1396,5,5,1,33
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:03,40613752,30567241,1,1092,2,2,2,34
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:04,40613752,30567241,1,1568,7,7,3,35
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:06,40613752,30567241,1,1293,3,3,4,36
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:07,40613752,30567241,1,1211,6,6,5,37
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:08,40613752,30567241,1,1096,8,8,6,38
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:09,40613752,30567241,1,1163,1,1,7,39
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:11,40613752,30567241,1,1461,4,4,8,40
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:13,40613752,32547061,1,1510,5,5,1,41
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:15,40613752,32547061,1,2127,8,8,2,42
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:17,40613752,32547061,1,1625,7,7,3,43
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:18,40613752,32547061,1,1002,1,1,4,44
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:19,40613752,32547061,1,1589,6,6,5,45
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:21,40613752,32547061,1,2133,2,2,6,46
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:23,40613752,32547061,1,1236,3,3,7,47
81,Symbols,v1.0.0,Windows 10,None,33333,31/07/2018 16:54:24,40613752,32547061,1,3016,4,4,8,48

cogtest

Sign In

Barcode:

Reference:

cogtest

Pre-Cog Questionnaire

Please answer the following questions before starting the cognitive test.

Have you been working nights in the previous 24 hours?

Yes No

Have you been working nights in the previous 72 hours?

Yes No

Are you currently drinking a caffeinated drink e.g. tea or coffee?

Yes No

Have you had any caffeinated drinks in the last 60 minutes?

Yes No

Do you have any kind of colour blindness?

Yes No

Next

cogtest

Reaction Test

Barcode 12345
Reference 1100000

When a square appears in one of the black panels, tap the arrow button underneath that panel as fast as you can.

Tap the "Start" button to continue.



Start



Step: React_Start

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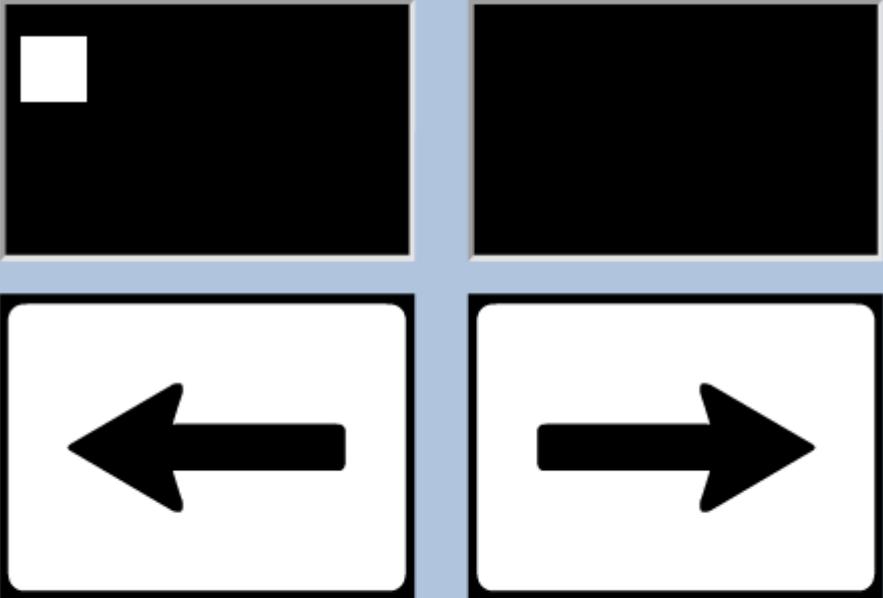
cogtest

Reaction Test

Barcode 12345
Reference 1100000

When a square appears in one of the black panels, tap the arrow button underneath that panel as fast as you can.

This is a practice.



Step: React_P1

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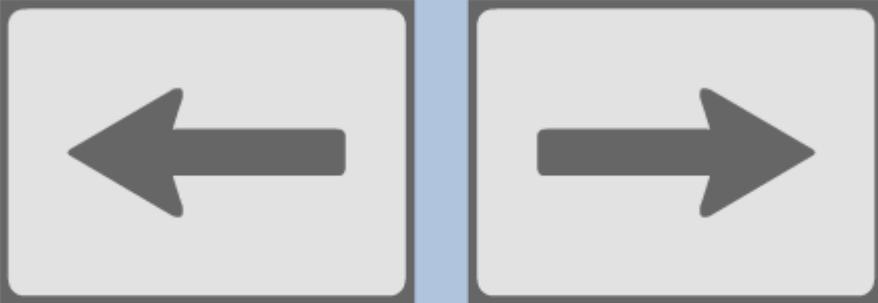
cogtest

Reaction Test

Barcode 12345
Reference 1100000

Correct.

Tap the Next button to continue.



Next

Step: React_P1_Response

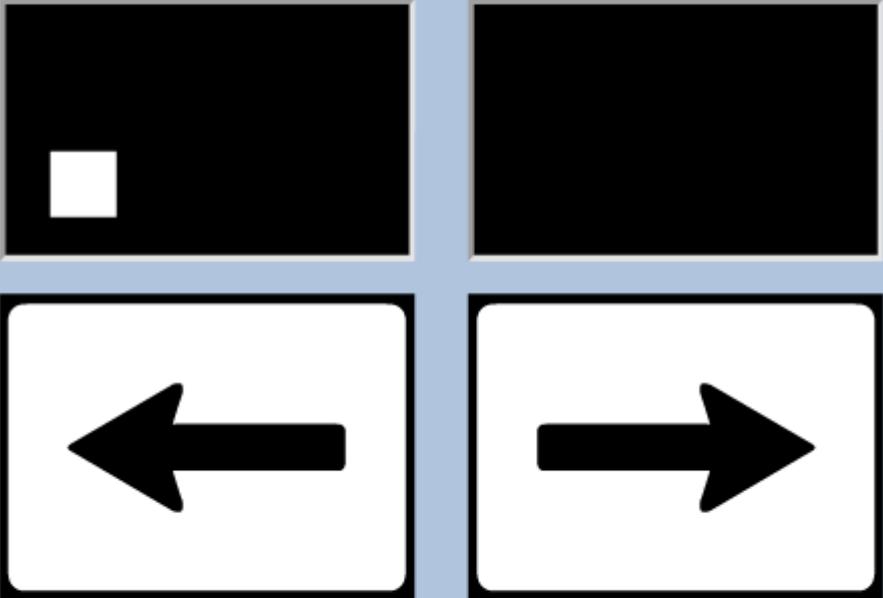
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Reaction Test

Barcode 12345
Reference 1100000

This is a practice.



Step: React_P2

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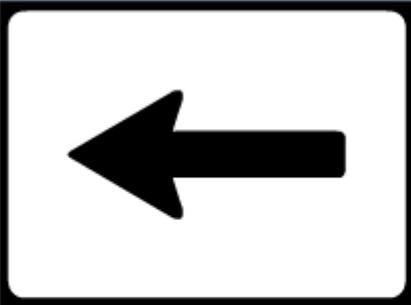
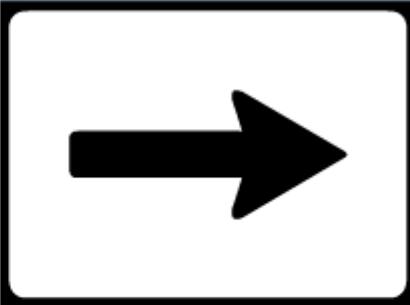
cogtest

Reaction Test

Barcode 12345
Reference 1100000

This is a practice.

Oops!

Step: React_P3

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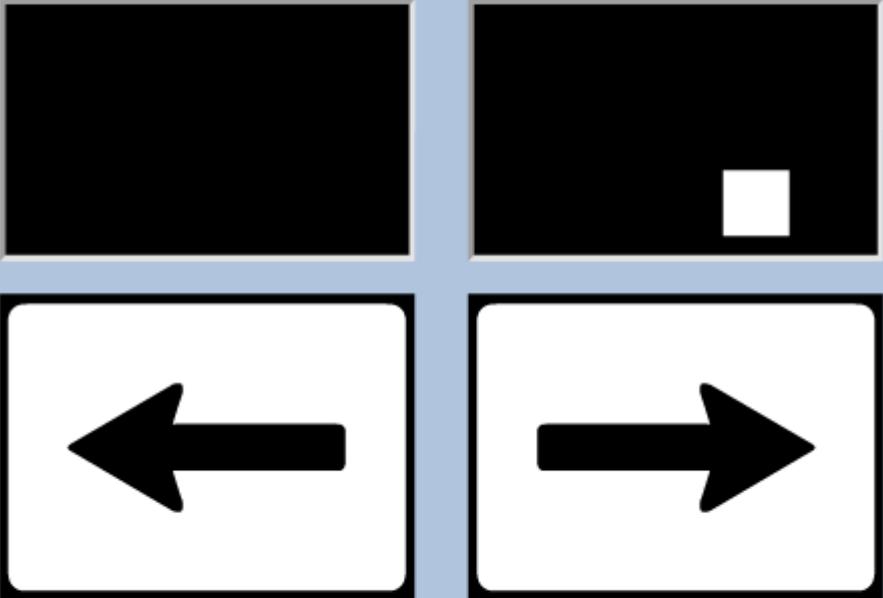
cogtest

Reaction Test

Barcode 12345
Reference 1100000

This is a practice.

Good!



Step: React_P4

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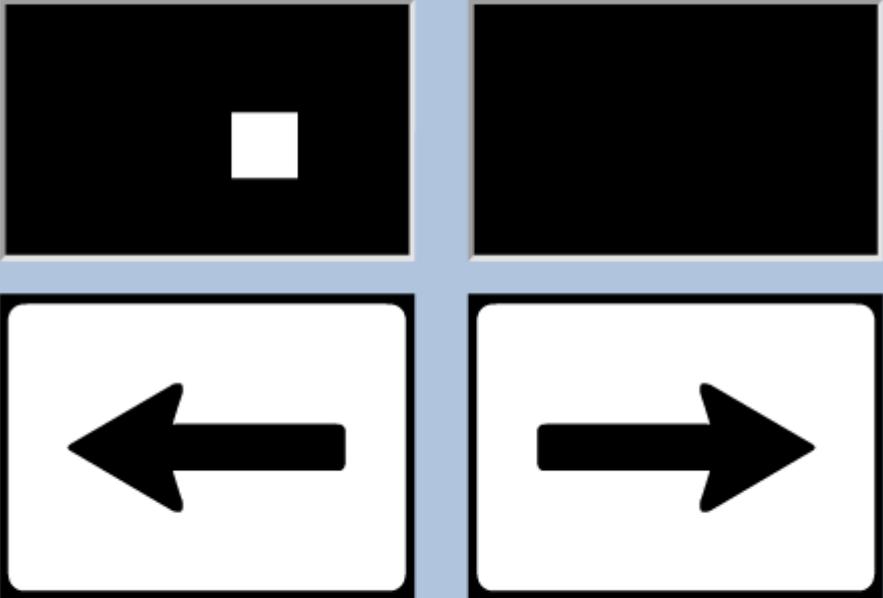
cogtest

Reaction Test

Barcode 12345
Reference 1100000

This is a practice.

Good!



Step: React_P5

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cogtest

Reaction Test

Barcode 12345
Reference 1100000

We will now do some timed tests, with no feedback between tests.

Tap the Next button to begin.

Next

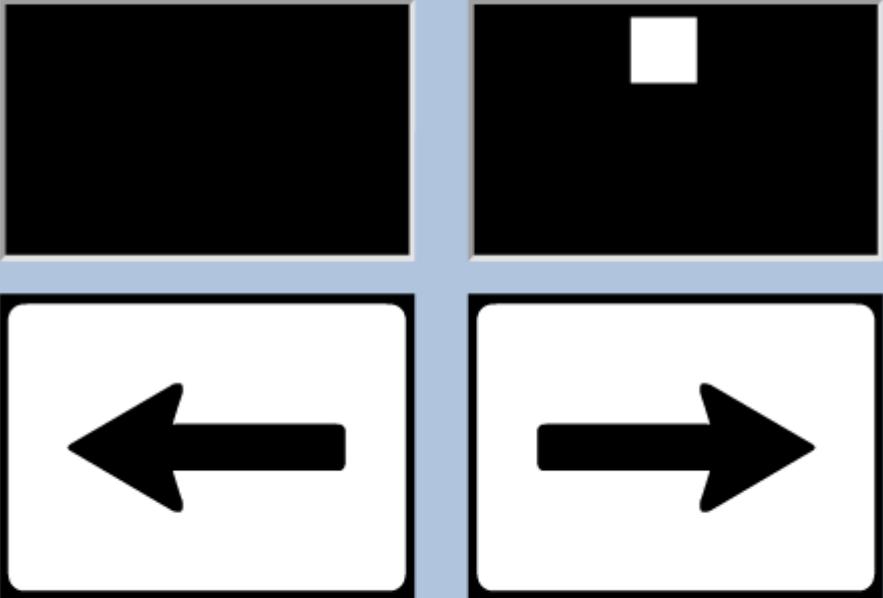
Step: React_P_Finish

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Reaction Test

Barcode 12345
Reference 1100000



Step: React_Timed

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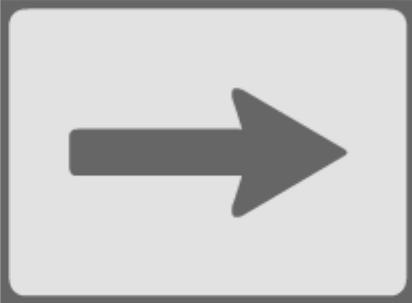
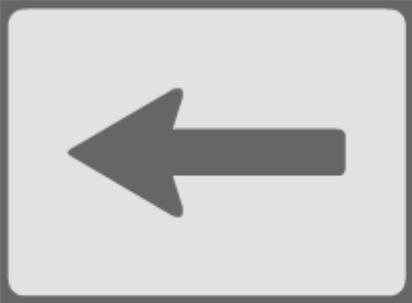
cogtest

Reaction Test

Barcode 12345
Reference 1100000

Well done!

Please tap the Next button for the next test.



Next

Step: React_Finish

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Quiz

Barcode 12345
Reference 1100000

These questions are about solving problems.
Read each question carefully and select one of
the five possible answers by tapping it.

You will have two minutes to do as many
questions as you can.

Below is a practice question.

1 2 3 4 5

Add all of the above numbers together.
Select the correct answer:

13

14

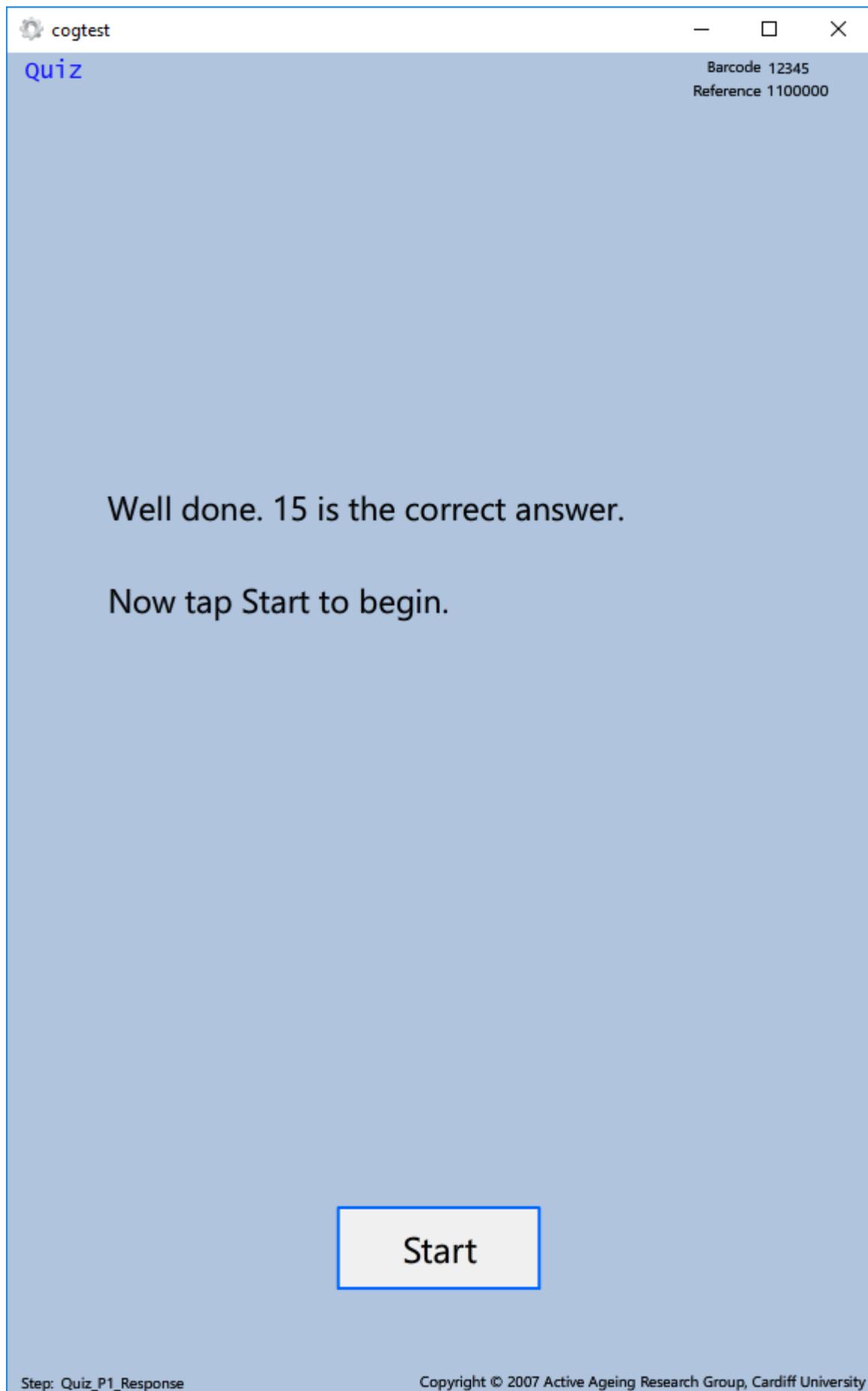
15

16

17

Step: Quiz_P1

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Quiz

Barcode 12345
Reference 1100000

Which number is the largest?

- 602
- 308
- 987
- 714
- 253

Step: RQ00

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Quiz

Barcode 12345
Reference 1100000

Bud is to flower as child is to:

- Grow
- Develop
- Improve
- Adult
- Old

Step: RQ01F

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Quiz

Barcode 12345
Reference 1100000

11 12 13 14 15 16 17 18

Divide the sixth number to the right of twelve by three.
Is the answer:

5

6

7

8

9

Step: RQ02C

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Quiz

Barcode 12345
Reference 1100000

If Truda's mother's brother is Tim's sister's father,
what relation is Truda to Tim?

Aunt

Sister

Niece

Cousin

No relation

Step: RQ03H

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Quiz

Barcode 12345
Reference 1100000

If sixty is more than half of seventy-five,
multiply twenty-three by three.
If not subtract 15 from eighty-five.

Is the answer:

68

69

70

71

72

Step: RQ04E

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The screenshot shows a window titled 'cogtest' with a light blue background. In the top left corner, there is a gear icon and the text 'cogtest'. In the top right corner, there are window control icons (minimize, maximize, close) and the text 'Barcode 12345' and 'Reference 1100000'. The word 'Quiz' is displayed in the top left. The main content area contains the question 'Stop means the same as:' followed by five radio button options: 'Pause', 'Close', 'Cease', 'Break', and 'Rest'. At the bottom left, it says 'Step: RQ05D' and at the bottom right, it says 'Copyright © 2007 Active Ageing Research Group, Cardiff University'.

Quiz

Barcode 12345
Reference 1100000

Stop means the same as:

- Pause
- Close
- Cease
- Break
- Rest

Step: RQ05D

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Quiz

Barcode 12345
Reference 1100000

If David is twenty-one and Owen is nineteen and Daniel is nine years younger than David, what is half their combined age? Is it

25

26

27

28

29

Step: RQ06I

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Quiz

Barcode 12345
Reference 1100000

Age is to years as height is to...

- Long
- Deep
- Top
- Metres
- Tall

Step: RQ07J

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Quiz

Barcode 12345
Reference 1100000

150 137 125 114 104
What comes next?

96

95

94

93

92

Step: RQ08G

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Quiz

Barcode 12345
Reference 1100000

Relaxed means the opposite of

- Calm
- Anxious
- Cool
- Worried
- Tense

Step: RQ09B

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Quiz

Barcode 12345
Reference 1100000

100 99 95 86 70
What comes next?

50

49

47

46

45

Step: RQ10

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Quiz

Barcode 12345
Reference 1100000

If some flinks are plinks and some plinks are stinks, then some flinks are definitely stinks:

False

True

Neither true nor false

Not sure

Step: RQ11

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Quiz

Barcode 12345
Reference 1100000

If 'Anne' is thirty-four and 'John' is forty-seven,
what number is 'that'? Is it:

49

50

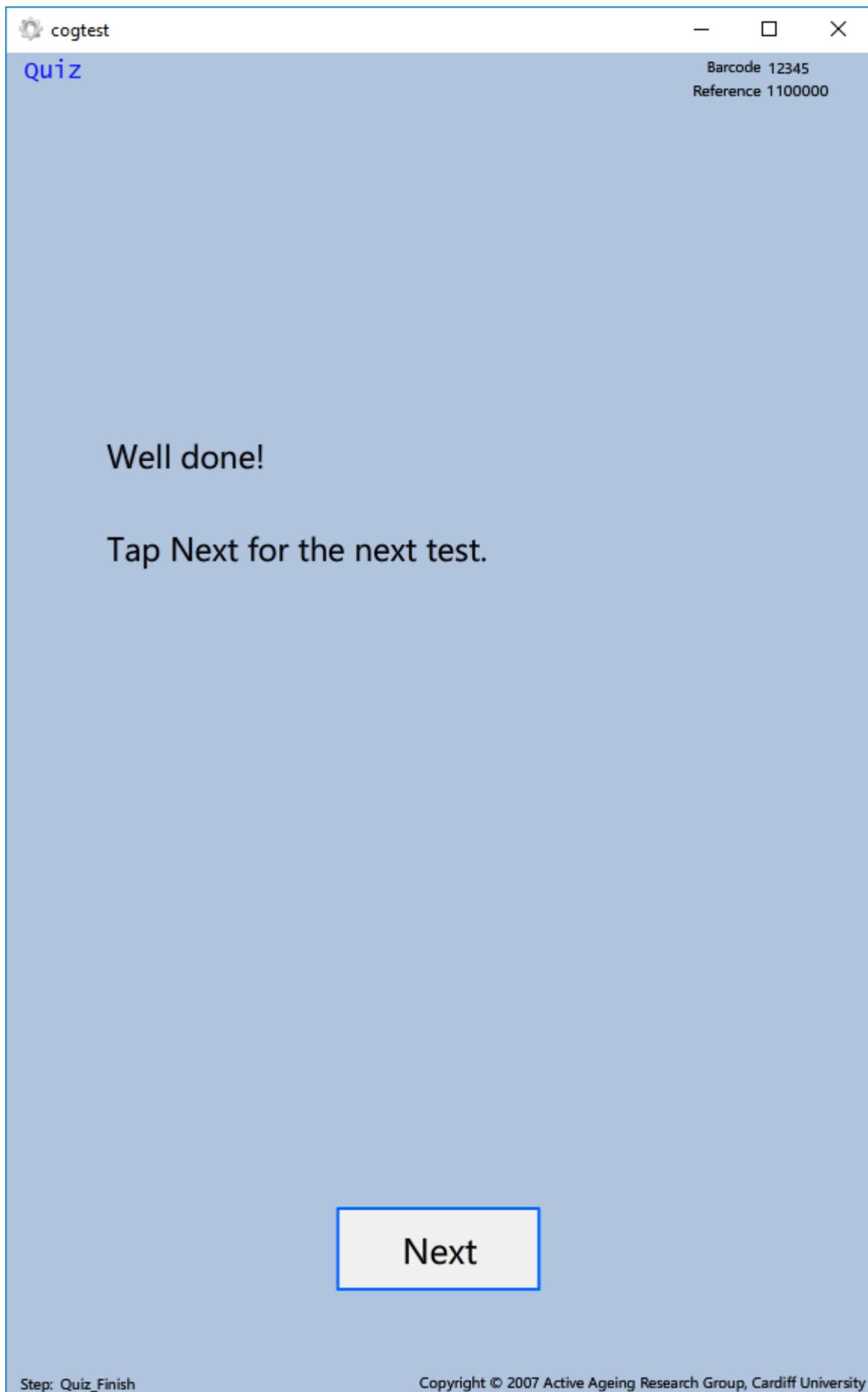
51

52

53

Step: RQ12K

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working Memory Test

Barcode 12345
Reference 1100000

This tests your working memory.

A number will appear briefly.
After a short wait you will be asked to
enter it by tapping the keypad below.

The numbers will be longer as the test
proceeds. Tap the "Start" button to continue.

7	8	9	Start
4	5	6	
1	2	3	
	0		

Step: WMFIRST

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working Memory Test

Barcode 12345
Reference 1100000

This tests your working memory.

A number will appear briefly.
After a short wait you will be asked to
enter it by tapping the keypad below.

The numbers will be longer as the test
proceeds.

7

Step: WMA

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working Memory Test

Barcode 12345
Reference 1100000

This tests your working memory.

A number will appear briefly.
After a short wait you will be asked to
enter it by tapping the keypad below.

The numbers will be longer as the test
proceeds.

47

Step: WMA

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working Memory Test

Barcode 12345
Reference 1100000

This tests your working memory.

A number will appear briefly.
After a short wait you will be asked to
enter it by tapping the keypad below.

The numbers will be longer as the test
proceeds.

Enter number now!

7	8	9	Del
4	5	6	
1	2	3	
	0		

Step: WMA

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working Memory Test

Barcode 12345
Reference 1100000

This tests your working memory.

A number will appear briefly.
After a short wait you will be asked to
enter it by tapping the keypad below.

The numbers will be longer as the test
proceeds.

758

Step: WMA

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working Memory Test

Barcode 12345
Reference 1100000

Well done!

Please tap the "Next" button to continue.

Next

Step: Pairing_4_P1

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Pairing

Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the four buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.

Tap the "Start" button to begin.





Step: WMFIRST

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cogtest

Pairing

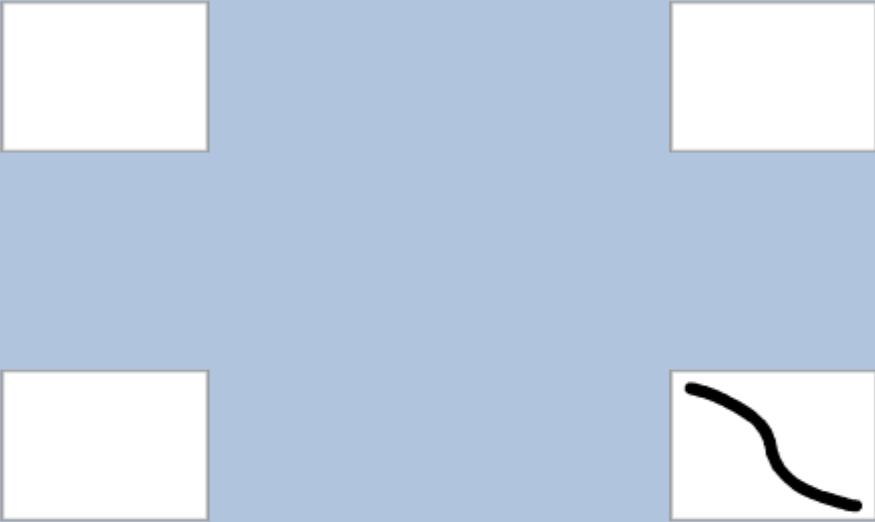
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the four buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step: WMFIRST

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Pairing

Barcode
Reference

A different picture will appear for two seconds on each of the four buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step:

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Pairing

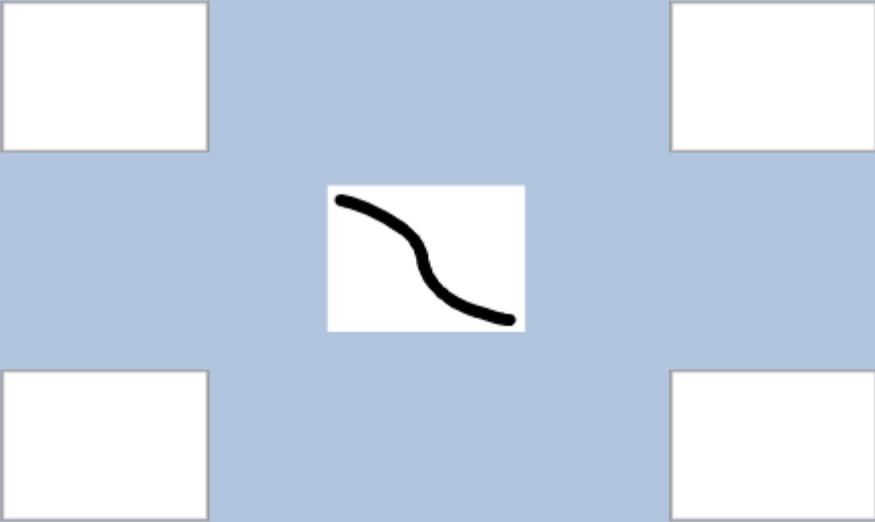
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the four buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step: WMFIRST

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Pairing

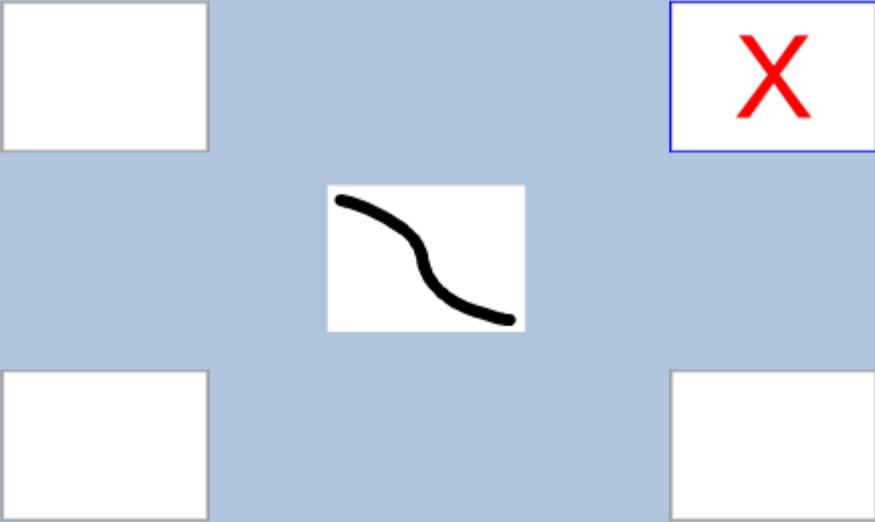
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the four buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step: WMFIRST

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cogtest

Pairing

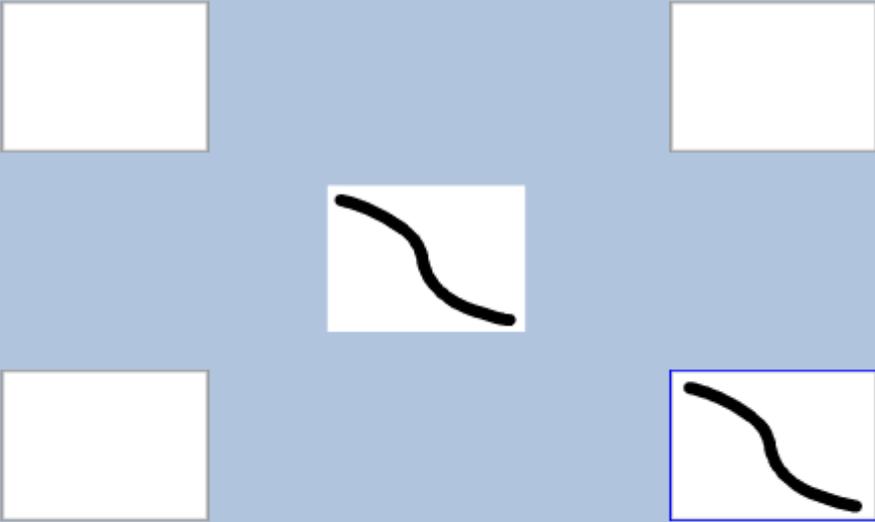
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the four buttons below.

Try to remember where they all are.

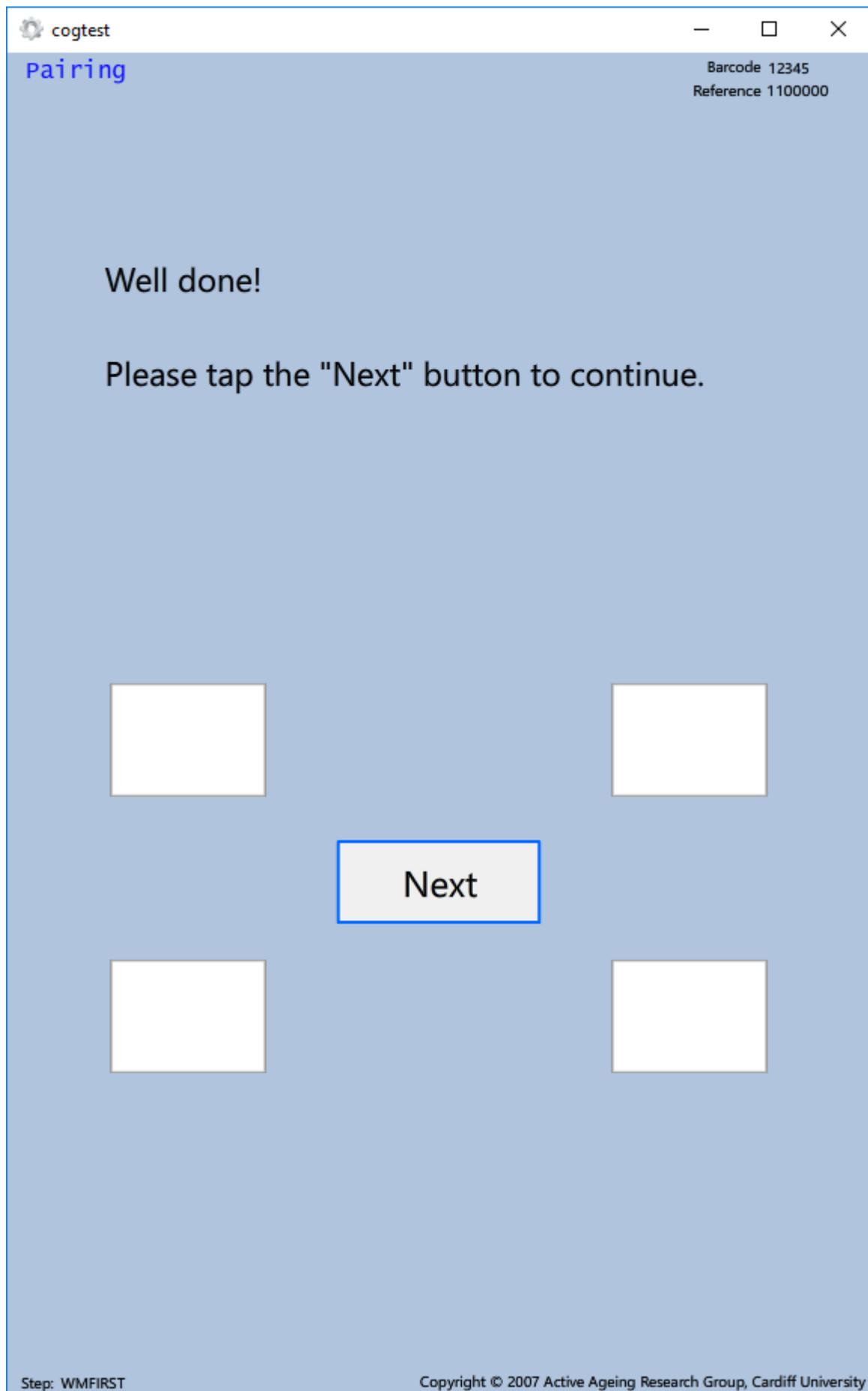
Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step: WMFIRST

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cogtest

Pairing 7

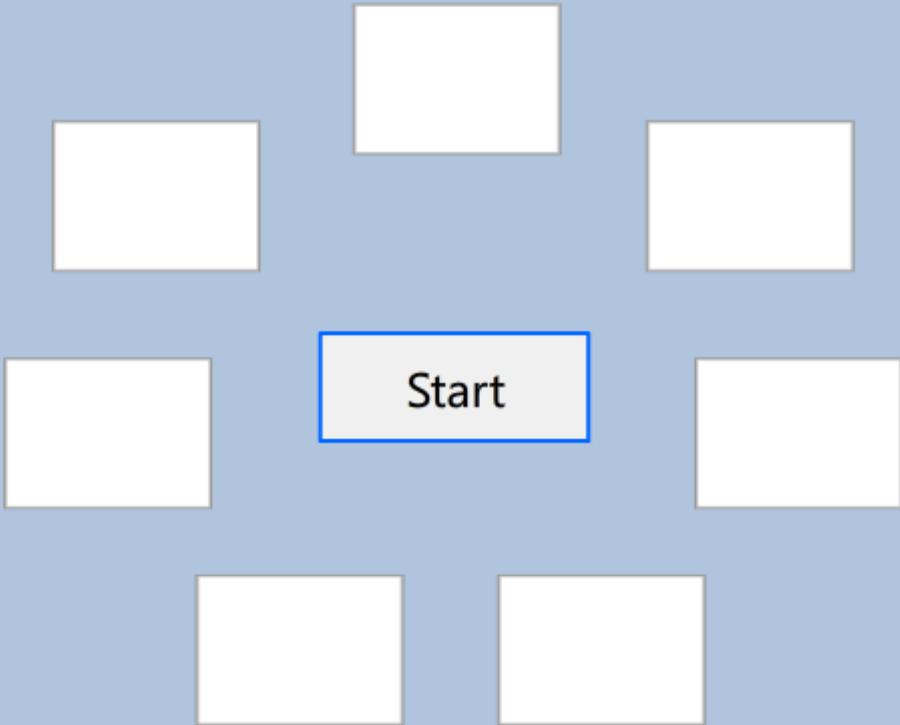
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the seven buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it. Click "Start" to begin.



Step: P7FIRST

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Pairing 7

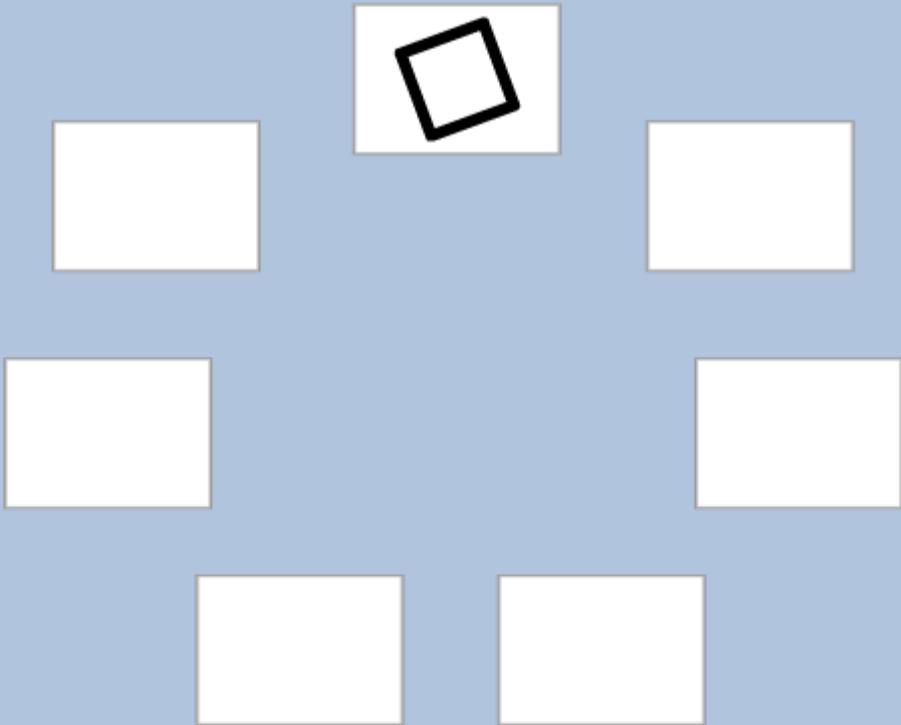
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the seven buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step: P7FIRST

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Pairing 7

Barcode
Reference

A different picture will appear for two seconds on each of the seven buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step:

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Pairing 7

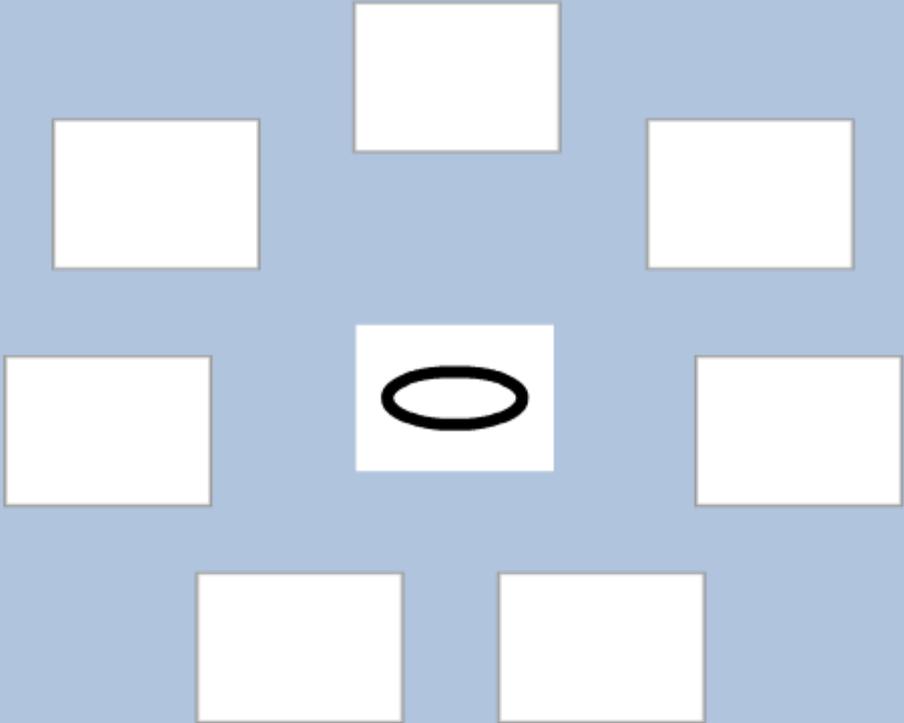
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the seven buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step: P7FIRST

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cogtest

Pairing 7

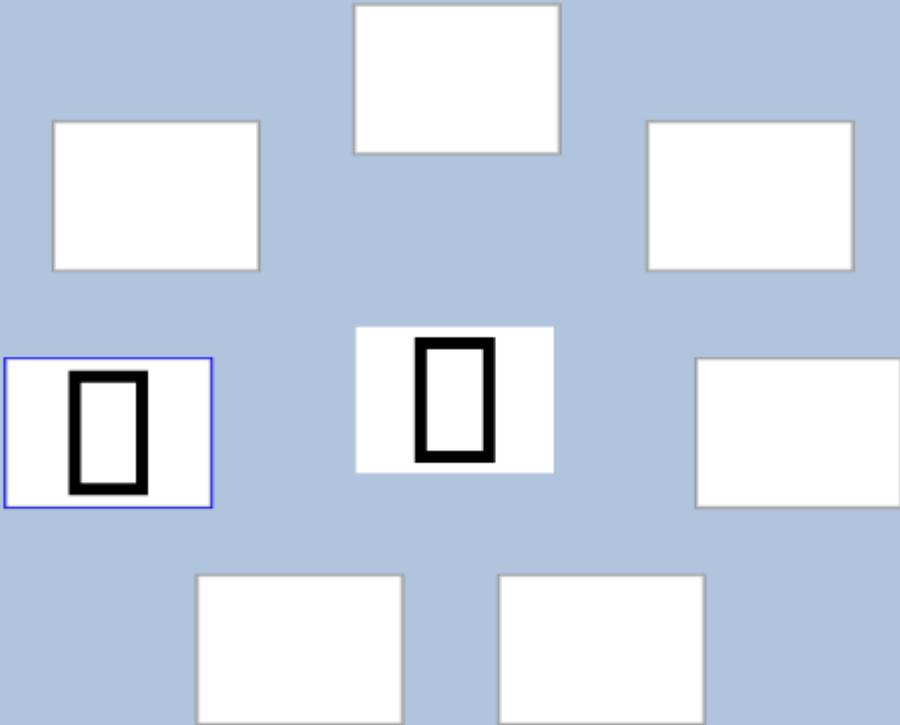
Barcode 12345
Reference 1100000

A different picture will appear for two seconds on each of the seven buttons below.

Try to remember where they all are.

Each time a picture appears in the middle, tap the button which you think hides its double.

Keep going until you find it.



Step: P7FIRST

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Pairing 7

Barcode 12345
Reference 1100000

Well done!

Please tap the "Next" button for the next test.

Next

Step: BoxColour_Start

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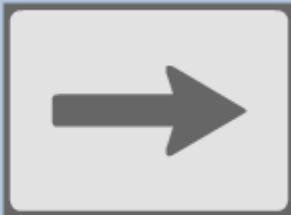
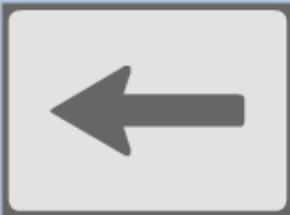
cogtest

Box colour

Barcode 12345
Reference 1100000

The following tests will ask you to select from two options using the left and right arrow buttons.

Tap the "Next" button to continue.



Next

Step: STA1

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Box colour

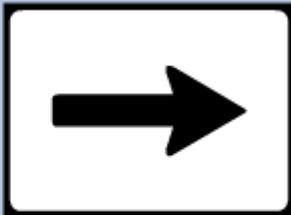
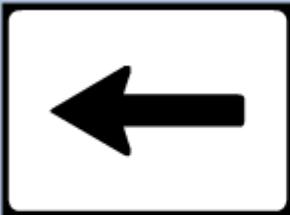
Barcode 12345
Reference 1100000

Below is a coloured box.

Use the left and right arrow buttons to choose the word which describes the colour of the box.



blue black



Step: STA1

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cogtest

Box colour

Barcode 12345
Reference 1100000

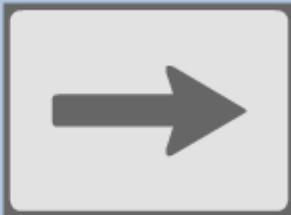
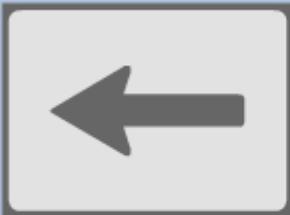
Below is a coloured box.

Use the left and right arrow buttons to choose the word which describes the colour of the box.

Correct.
Tap Next to continue.



blue black



Next

Step: STA1

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cogtest

Box colour

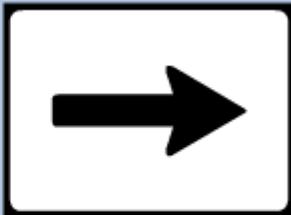
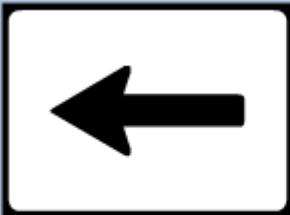
Barcode 12345
Reference 1100000

Below is a coloured box.

Use the left and right arrow buttons to choose the word which describes the colour of the box.



red white



Step: STA1

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cogtest

Box colour

Barcode 12345
Reference 1100000

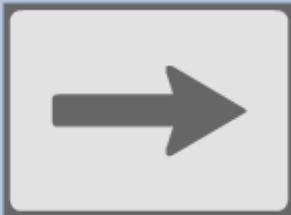
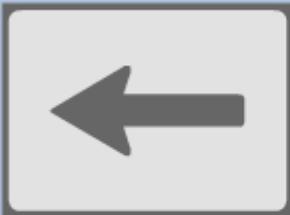
Below is a coloured box.

Use the left and right arrow buttons to choose the word which describes the colour of the box.

Incorrect - the answer is red.
Tap Next to continue.



red white



Next

Step: STA1

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cogtest

Box colour

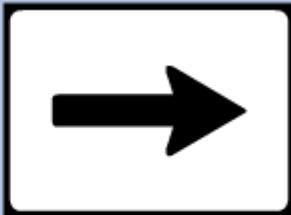
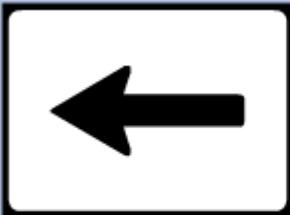
Barcode 12345
Reference 1100000

Below is a coloured box.

Use the left and right arrow buttons to choose the word which describes the colour of the box.



black white



Step: STA1

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cogtest

Box colour

Barcode 12345
Reference 1100000

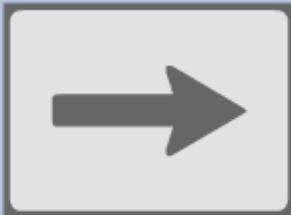
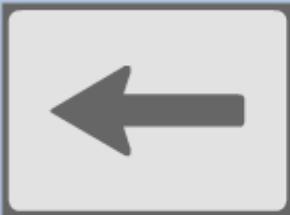
Below is a coloured box.

Use the left and right arrow buttons to choose the word which describes the colour of the box.

Correct.
Tap Next to continue.



black white



Next

Step: STA1

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cogtest

Box colour

Barcode 12345
Reference 1100000

We will now do some timed tests.
Tap "Next" to start.

← →

Next

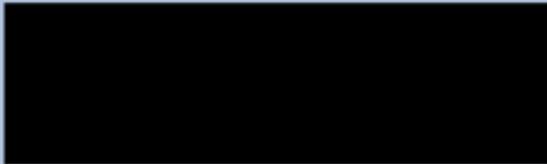
Step: STD

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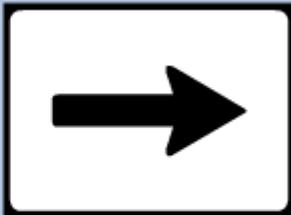
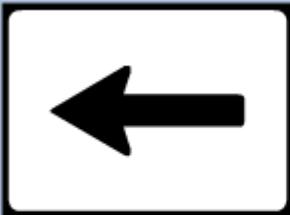
cogtest

Box colour

Barcode 12345
Reference 1100000



black white



Step: STE

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cogtest

Box colour

Barcode 12345
Reference 1100000

Well done!

The next set of tests may be tricky.
Tap the "Next" button to continue.

Next

Step: STE

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cogtest

ink colour

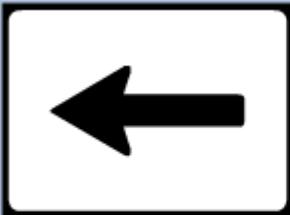
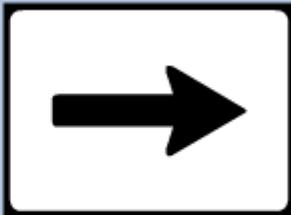
Barcode 12345
Reference 1100000

Below is the name of a colour, but it is written in different-coloured ink.

Choose the word beneath it which describes the colour of the ink.

white

white blue

Step: ST2

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cogtest

ink colour

Barcode 12345
Reference 1100000

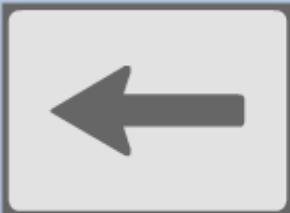
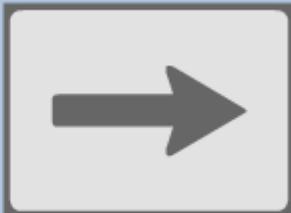
Below is the name of a colour, but it is written in different-coloured ink.

Choose the word beneath it which describes the colour of the ink.

Correct. Tap Next to continue.

white

white blue

Next

Step: ST2A

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cogtest

ink colour

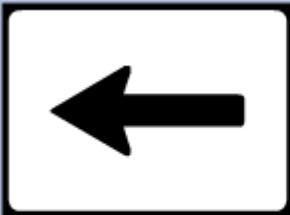
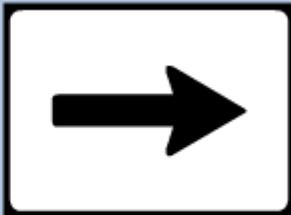
Barcode 12345
Reference 1100000

Below is the name of a colour, but it is written in different-coloured ink.

Choose the word beneath it which describes the colour of the ink.

blue

black blue

Step: ST2A

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cogtest

ink colour

Barcode 12345
Reference 1100000

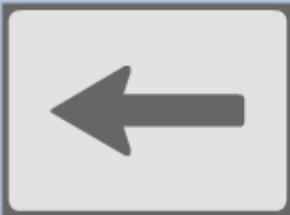
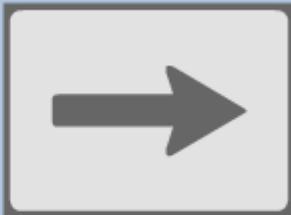
Below is the name of a colour, but it is written in different-coloured ink.

Choose the word beneath it which describes the colour of the ink.

Incorrect - the ink is black. Tap Next to continue.

blue

black blue

Next

Step: ST2A

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cogtest

ink colour

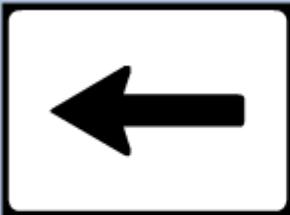
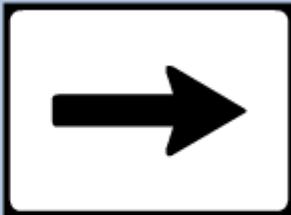
Barcode 12345
Reference 1100000

Below is the name of a colour, but it is written in different-coloured ink.

Choose the word beneath it which describes the colour of the ink.

red

white red

Step: ST2A

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cogtest

ink colour

Barcode 12345
Reference 1100000

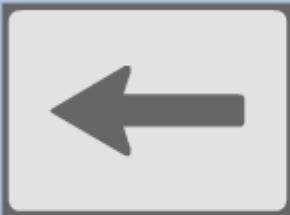
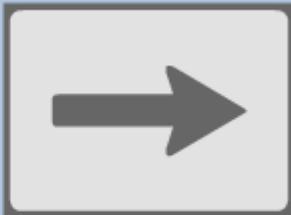
Below is the name of a colour, but it is written in different-coloured ink.

Choose the word beneath it which describes the colour of the ink.

Correct. Tap Next to continue.

red

white red

Next

Step: ST2A

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cogtest

Ink colour

Barcode 12345
Reference 1100000

We will now do some timed tests.

Tap "Next" to start.

← →

Next

Step: ST2A

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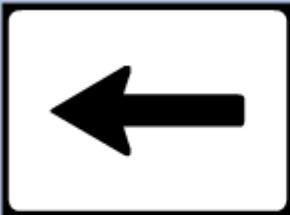
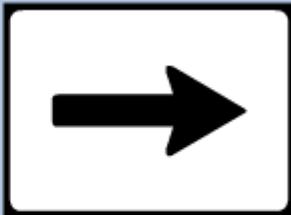
cogtest

ink colour

Barcode 12345
Reference 1100000

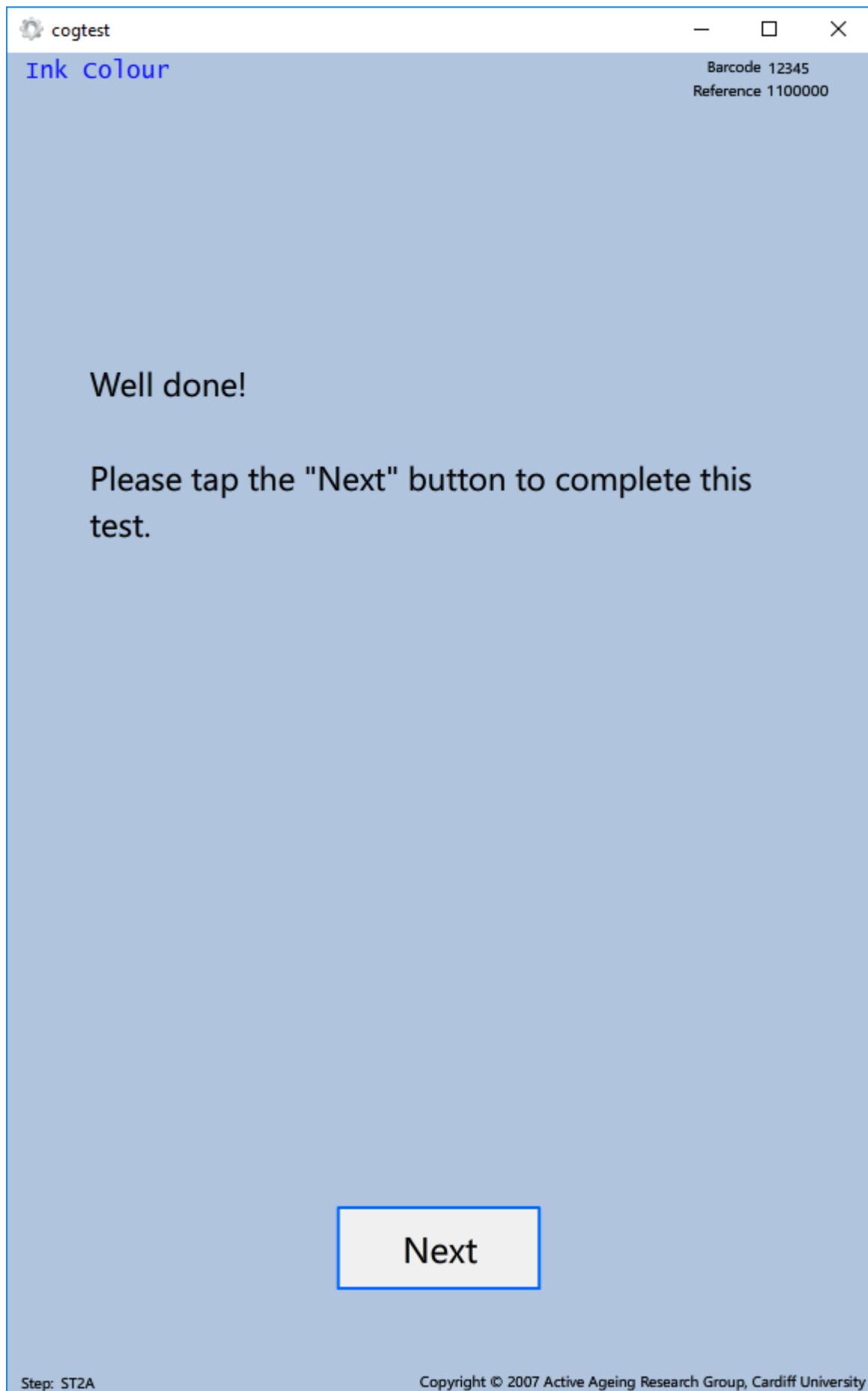
blue

blue black

Step: ST2A

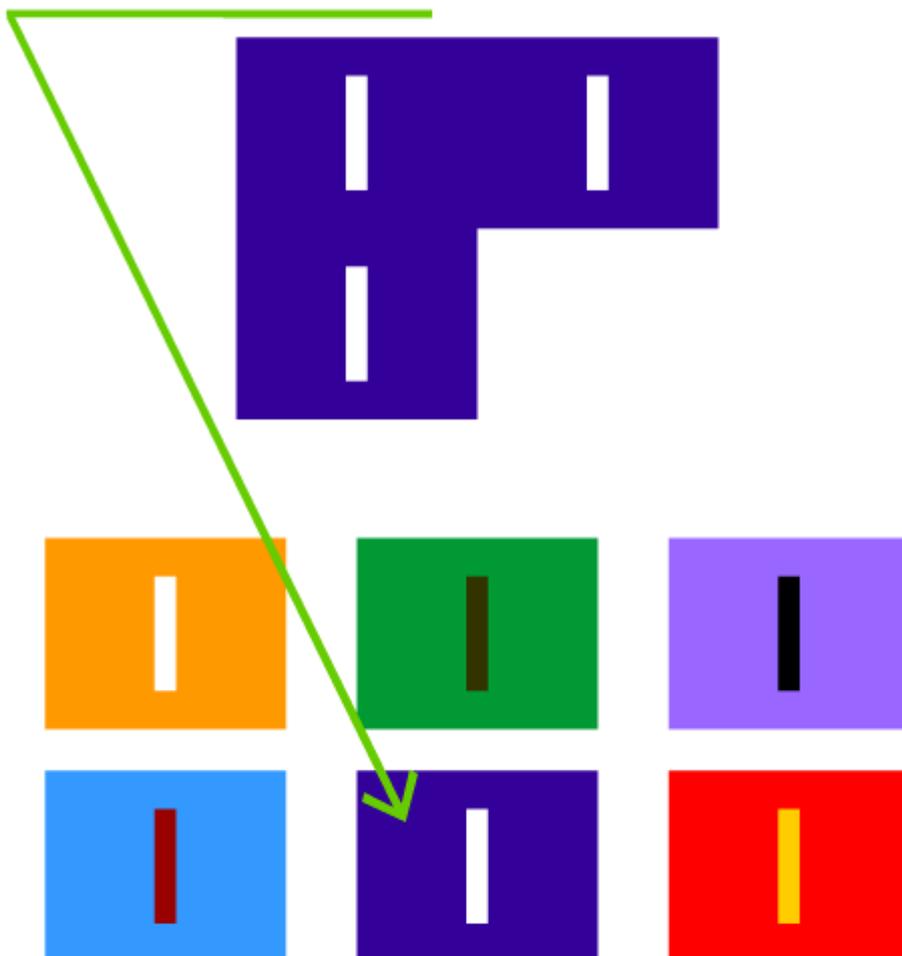
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cogtest
Matrices

— □ ×
Barcode 33333
Reference 3333333

Here is a design which is missing a piece in the lower right hand corner. Only one of these pieces below can correctly complete the design both horizontally and vertically.
Touch the right piece.



Step: Matrix_Start

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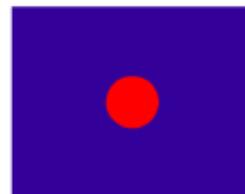
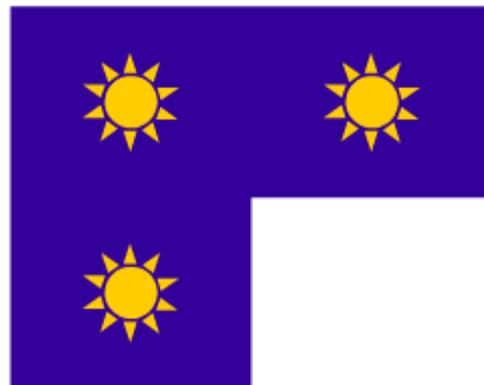
cogtest

Matrices

— □ ×

Barcode 33333
Reference 3333333

Next are two practice examples. Touch the piece which correctly completes the design.



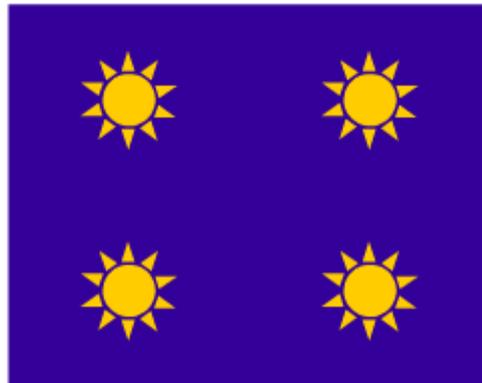
cogtest

Matrices

— □ ×

Barcode 33333
Reference 3333333

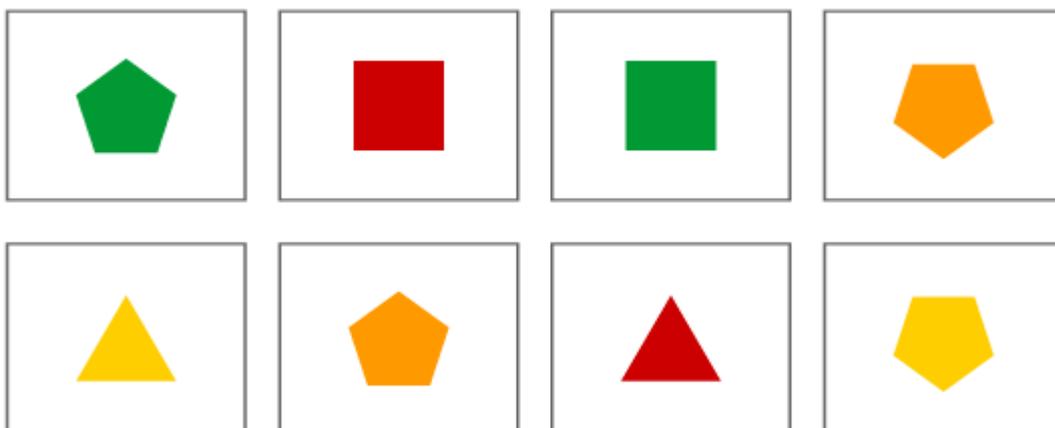
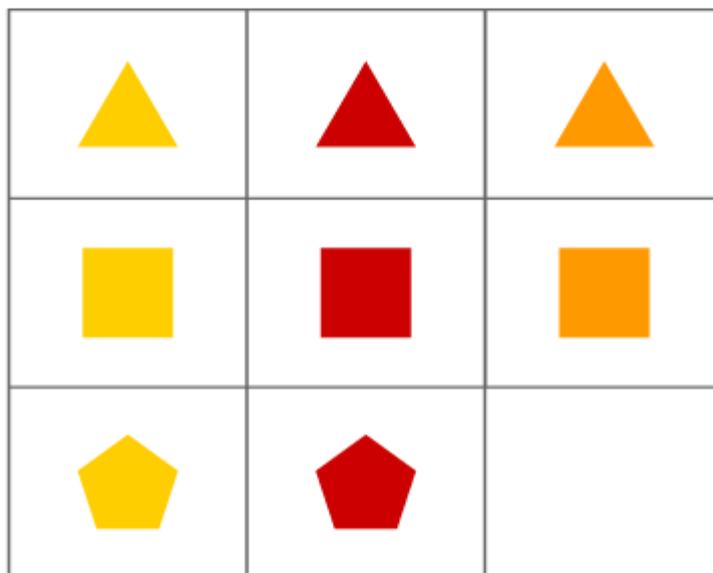
Next are two practice examples. Touch the piece which correctly completes the design.



cogtest
Matrices

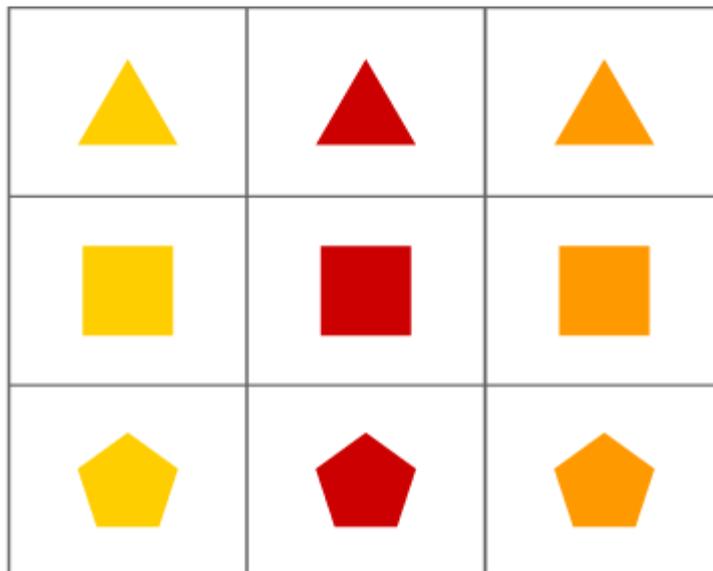
— □ ×
Barcode 33333
Reference 3333333

That's not the missing piece, please try again.



 cogtest
Matrices

— □ ×
Barcode 33333
Reference 3333333



Step: Matrix_P2

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Matrices

— □ ×
Barcode 33333
Reference 3333333

The next questions form part of the test, please answer as quickly and accurately as you can. There is no feedback between questions.

Click on the "Start" button to begin.

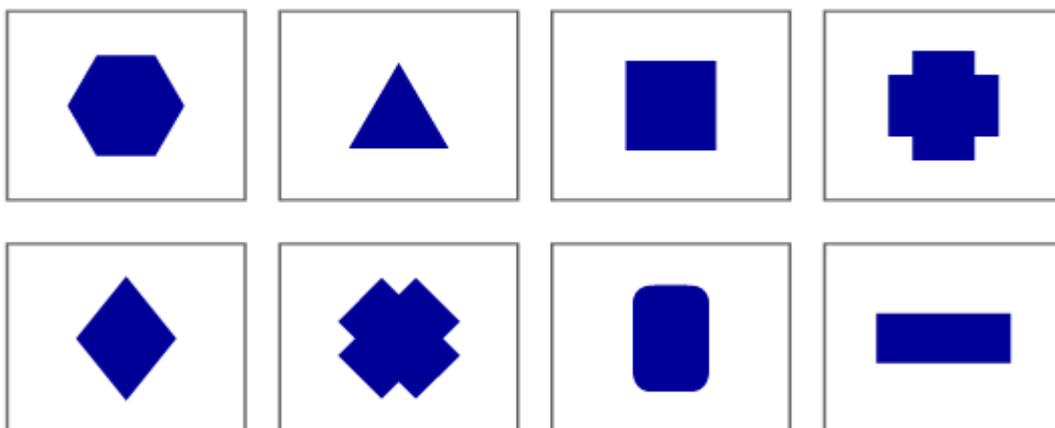
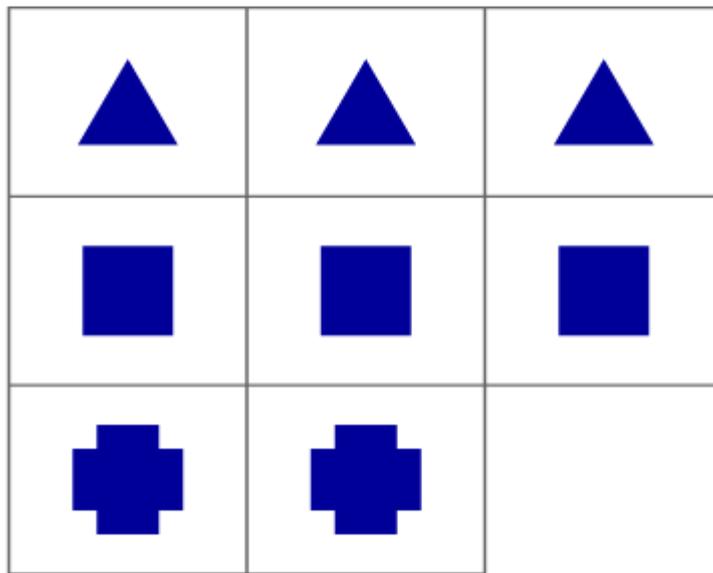
Start

Step: Matrix_P2_Complete

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Matrices

— □ ×
Barcode 33333
Reference 3333333

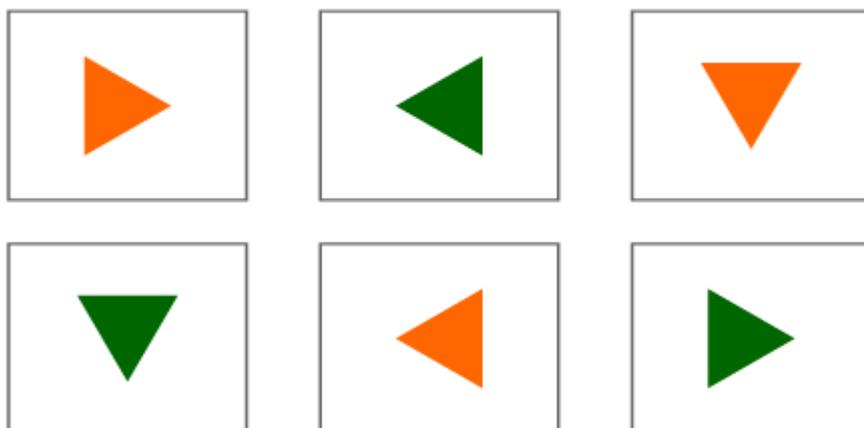
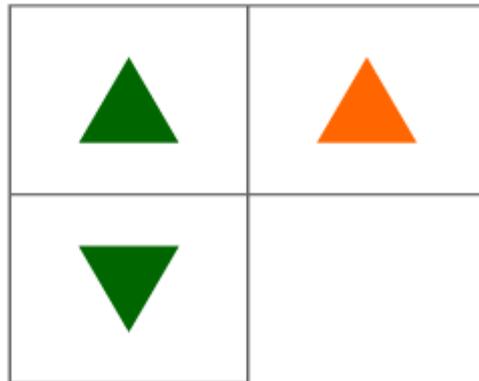


Step: Matrix_Q1

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cogtest
Matrices

— □ ×
Barcode 33333
Reference 3333333

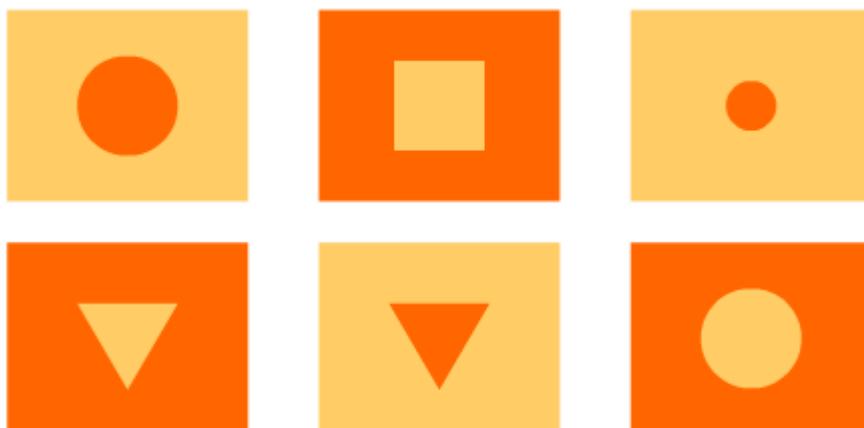


cogtest

Matrices

— □ ×

Barcode 33333
Reference 3333333

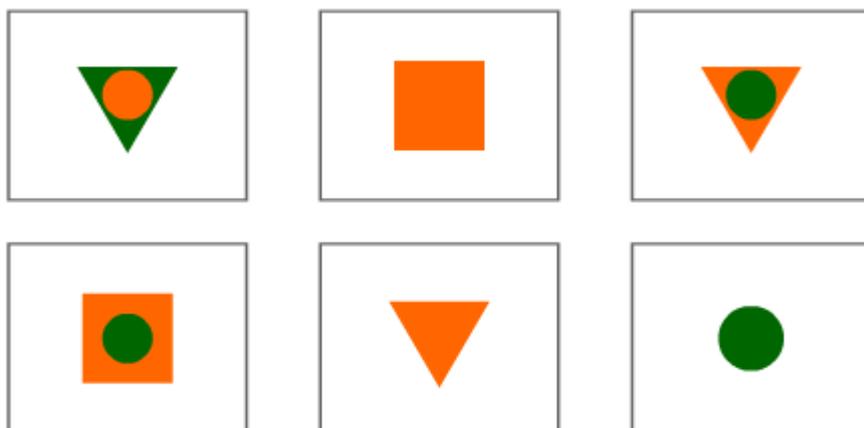
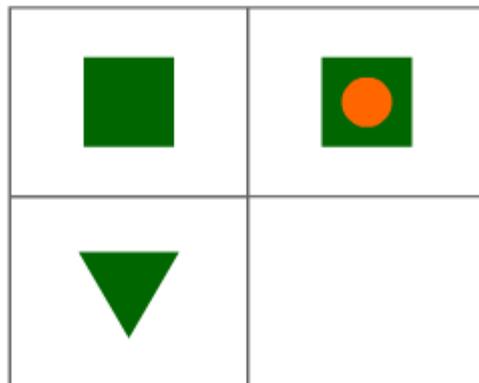


Step: Matrix_Q3

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Matrices

— □ ×
Barcode 33333
Reference 3333333



Step: Matrix_Q4

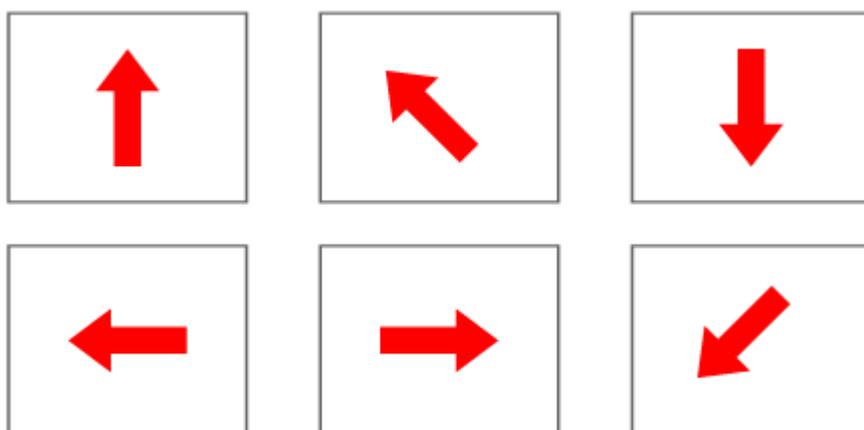
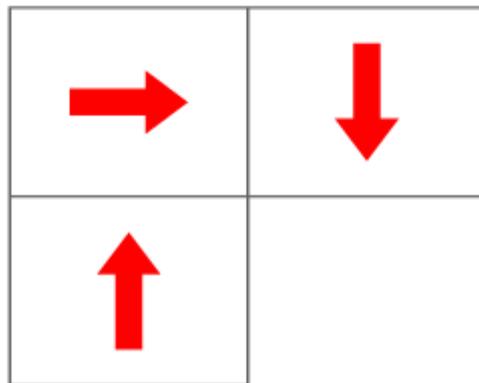
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Matrices

— □ ×

Barcode 33333
Reference 3333333



Step: Matrix_Q5

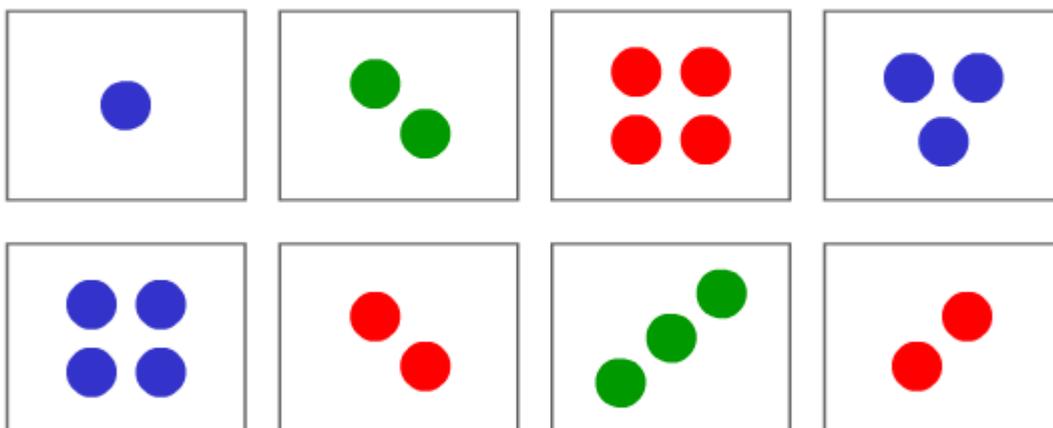
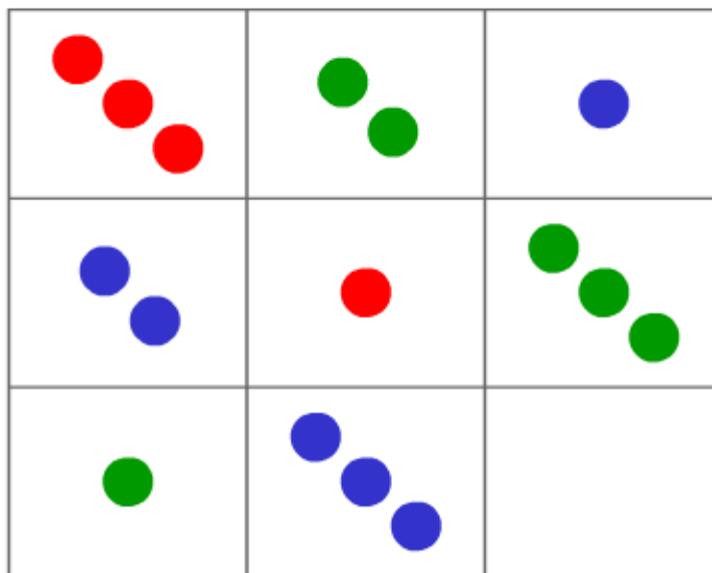
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cogtest

Matrices

— □ ×

Barcode 33333
Reference 3333333



Step: Matrix_Q6

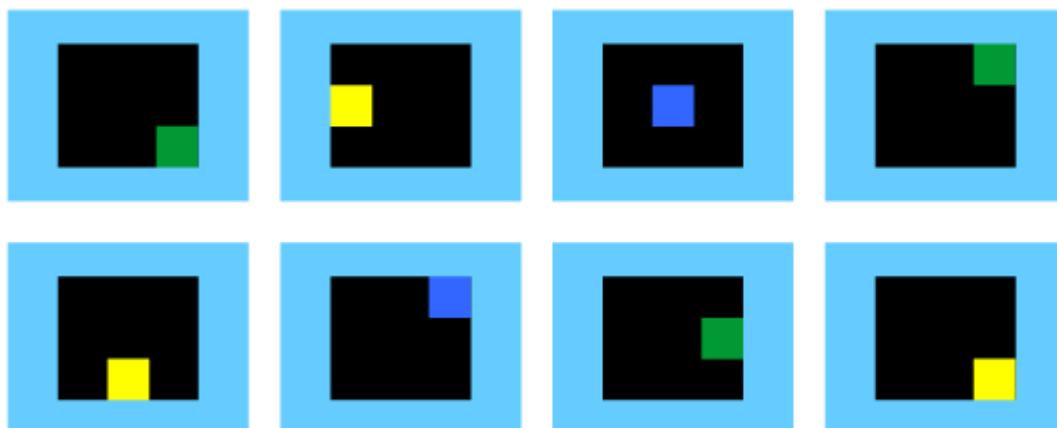
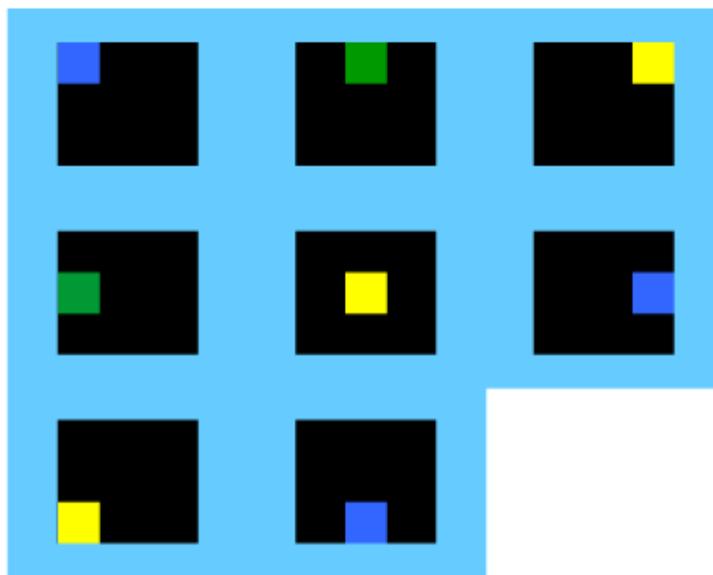
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cogtest

Matrices

— □ ×

Barcode 33333
Reference 3333333



Step: Matrix_Q7

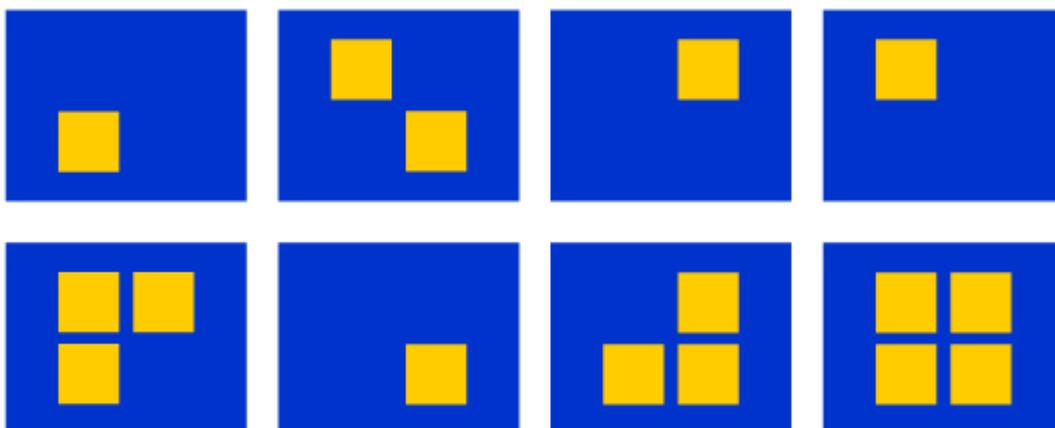
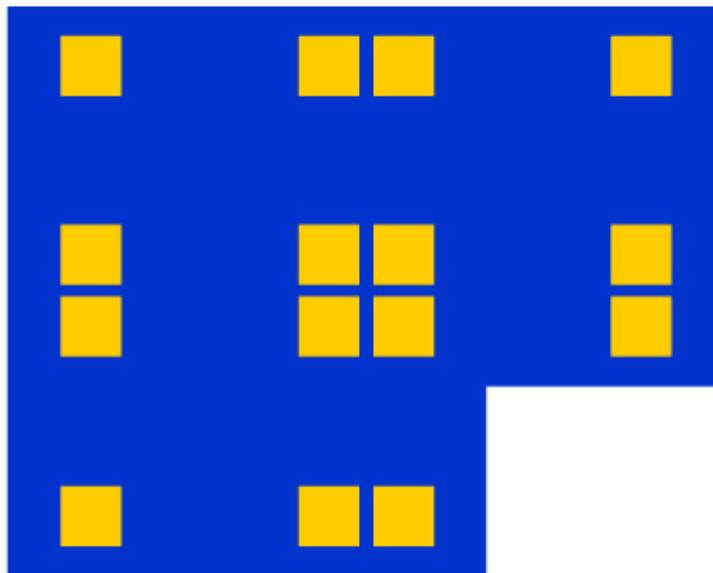
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cogtest

Matrices

— □ ×

Barcode 33333
Reference 3333333

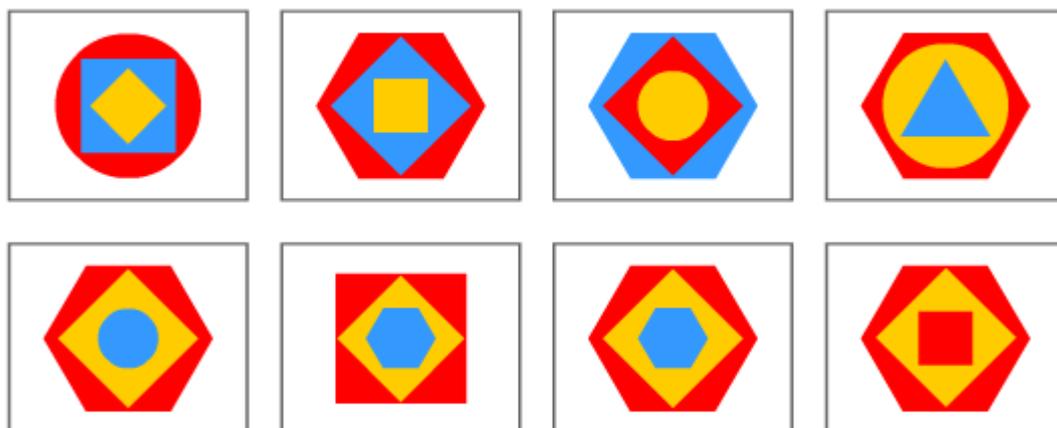
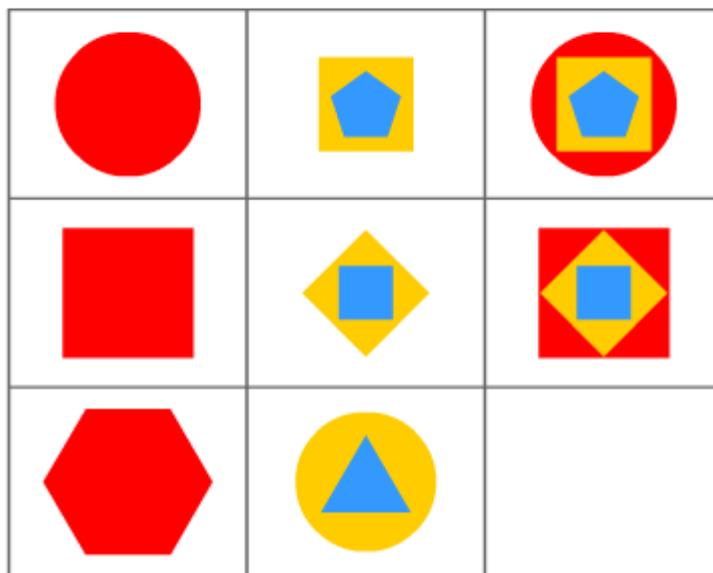


Step: Matrix_Q8

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cogtest
Matrices

Barcode 33333
Reference 3333333

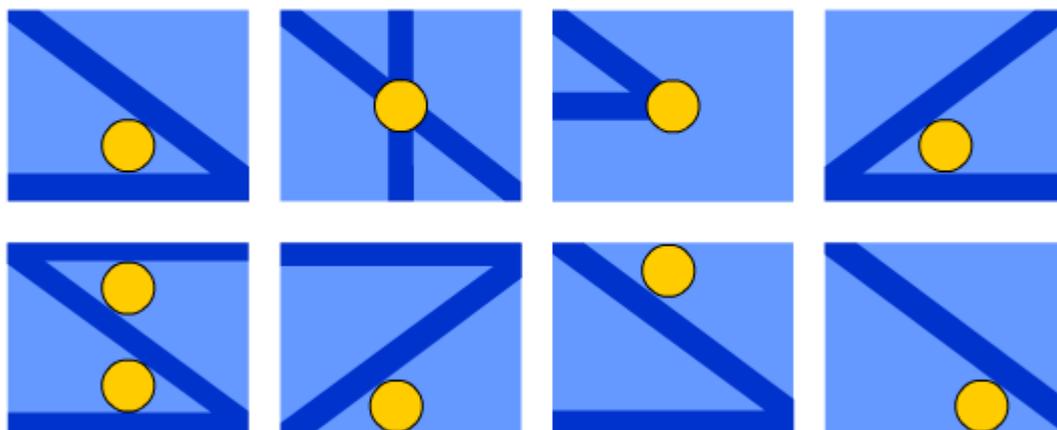
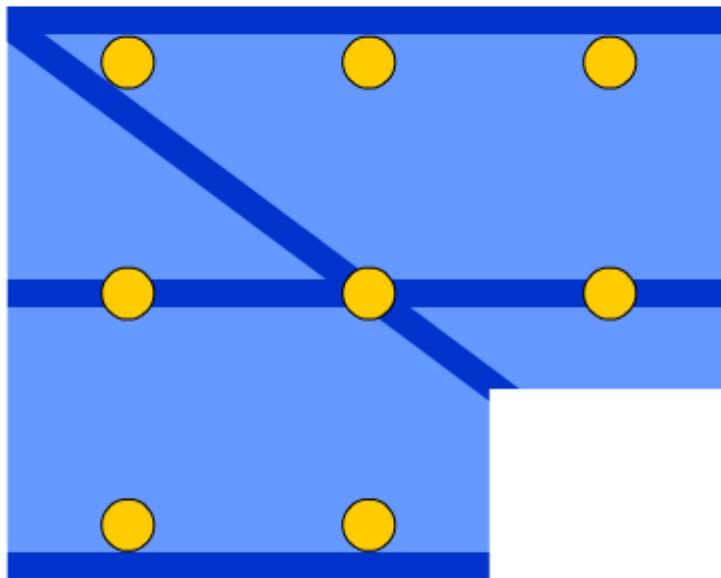


Step: Matrix_Q9

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cogtest
Matrices

— □ ×
Barcode 33333
Reference 3333333

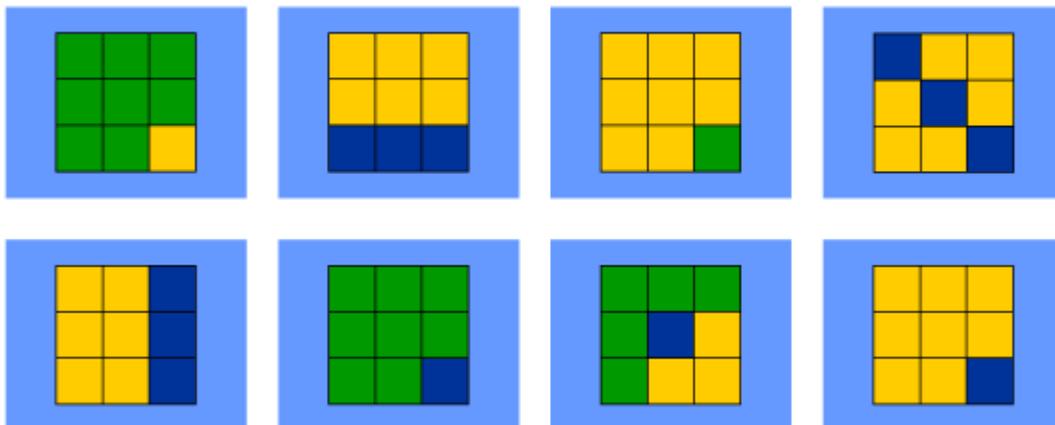
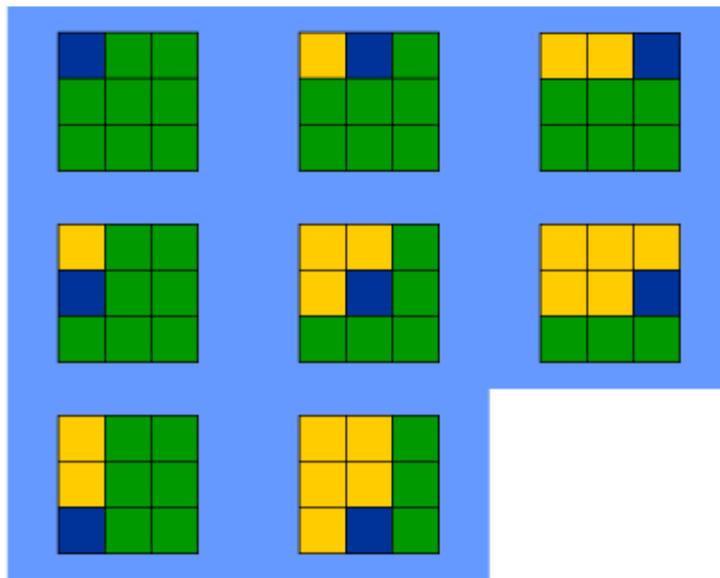


Step: Matrix_Q10

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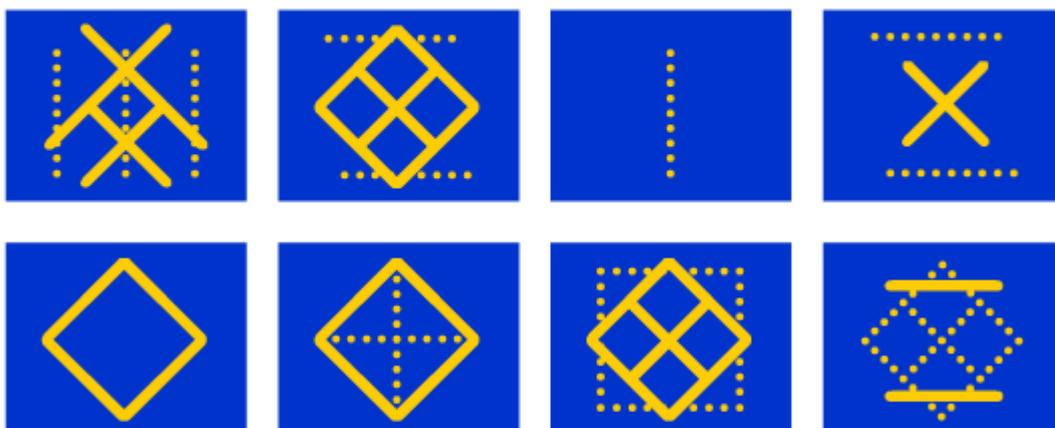
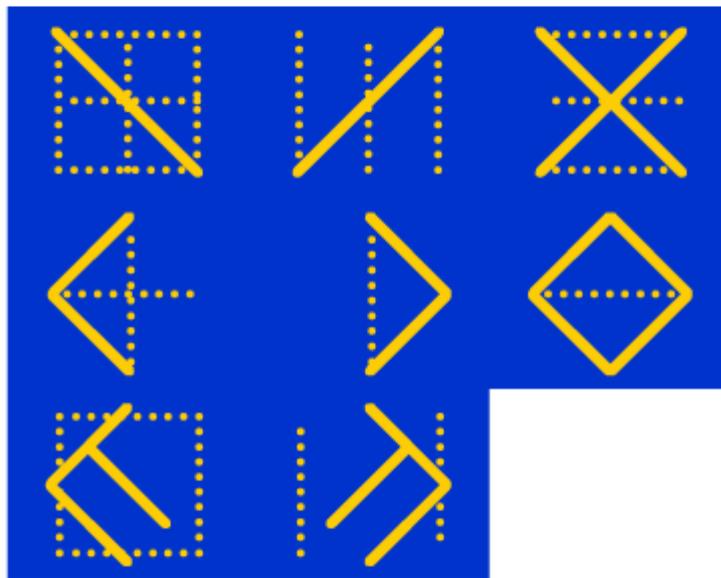
cogtest
Matrices

Barcode 33333
Reference 3333333



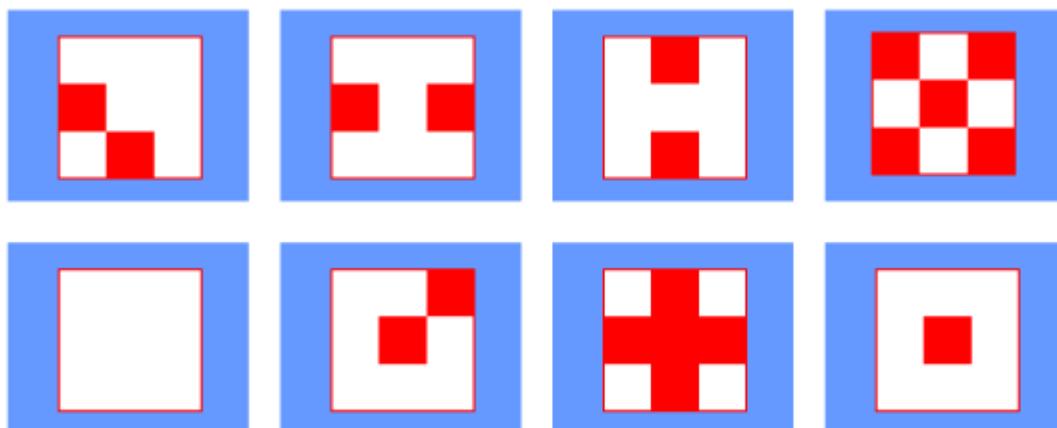
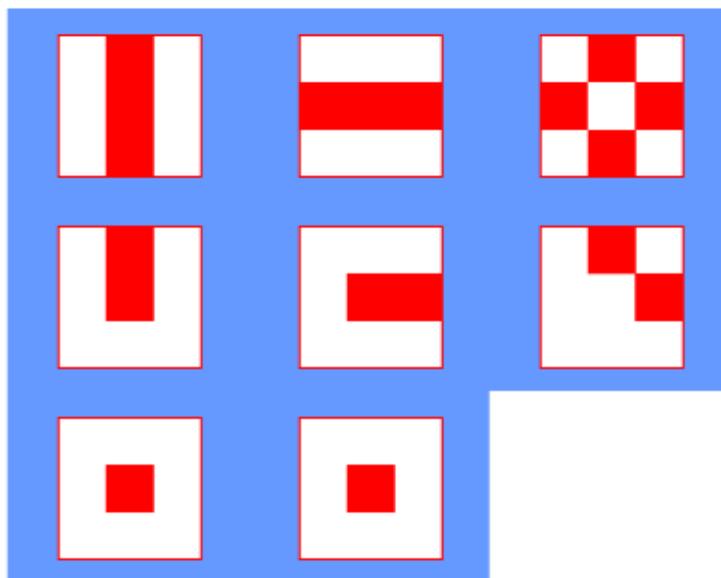
 cogtest
Matrices

— □ ×
Barcode 33333
Reference 3333333



cogtest
Matrices

— □ ×
Barcode 33333
Reference 3333333



Step: Matrix_Q13

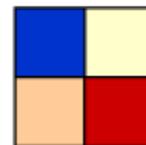
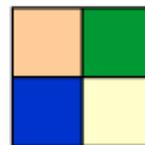
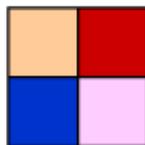
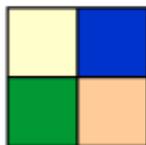
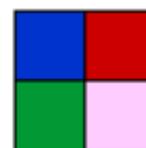
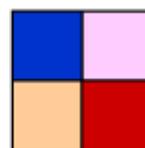
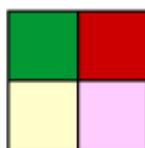
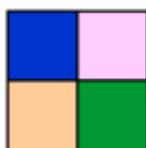
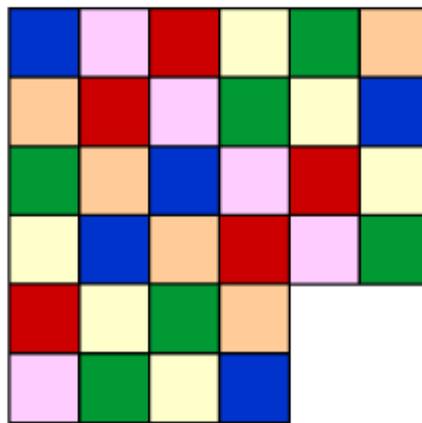
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cogtest

Matrices

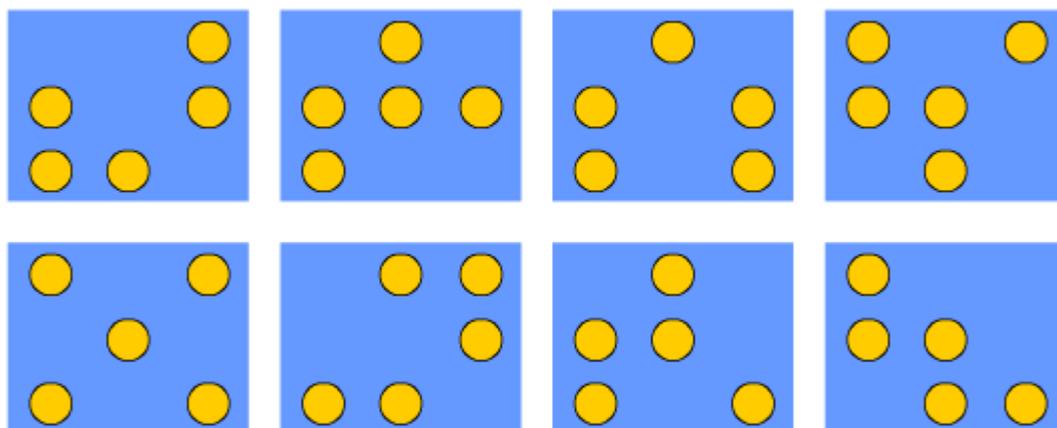
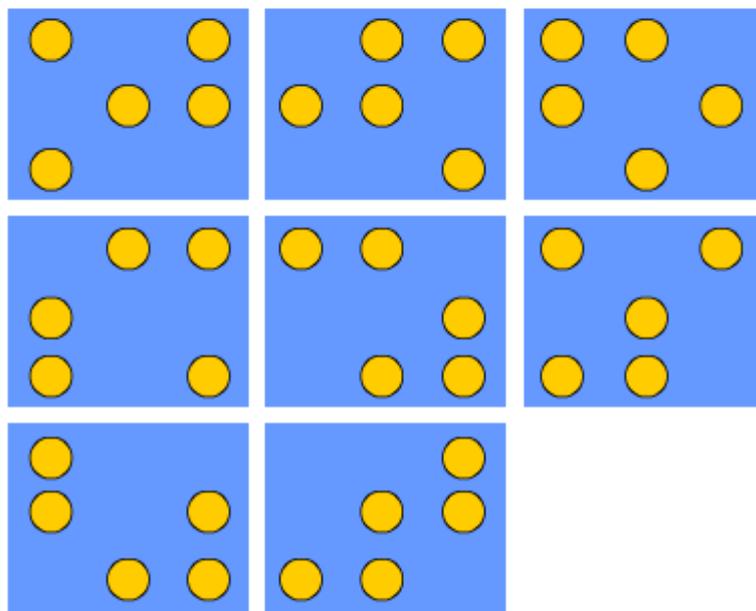
— □ ×

Barcode 33333
Reference 3333333



 cogtest
Matrices

— □ ×
Barcode 33333
Reference 3333333



 cogtest — □ ×

Matrices Barcode 33333
Reference 3333333

Well done!

Please tap the "Next" button for the next test.

Next

Step: Matrix_Finish Copyright © 2007 Active Ageing Research Group, Cardiff University

 cogtest

vocabulary



Barcode 33333
Reference 3333333

You will see six words on the right of the screen,
from these I want you to select the one which
means the same as the word on the left.

Please tap the "Next" button to start the
practice trials.

Next

Step: Vocabulary_Start

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vocabulary

— □ ×

Barcode 33333
Reference 3333333

sound

- desire**
- noise**
- shell**
- carriage**
- anger**
- scent**

 cogtest

vocabulary

— □ ×

Barcode 33333
Reference 3333333

That is not the correct answer, please try again.

lawn

grass

sun

lime

path

leek

deer

cogtest

vocabulary

Barcode 33333
Reference 3333333

Please click on the "Start" button to begin the test.

Start

Step: Vocabulary_P2_Finish

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 cogtest

vocabulary

— □ ×

Barcode 33333
Reference 3333333

quarrel

- dispute**
- equal**
- multitude**
- bin**
- measure**
- mine**

Step: V1

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vocabulary

Barcode 33333
Reference 3333333

adhere

- exalt**
- berate**
- counsel**
- stick**
- censure**
- adulate**

Step: V2

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vocabulary

— □ ×

Barcode 33333
Reference 3333333

handle

- box**
- shoe**
- ring**
- flute**
- torch**
- lever**

Step: V3

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vocabulary

— □ ×

Barcode 33333
Reference 3333333

sieve

- filter
- purify
- sink
- abuse
- wager
- funnel

Step: V4

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vocabulary

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Barcode 33333
Reference 3333333

meander

- repair**
- infuriate**
- bewail**
- saunter**
- remonstrate**
- falter**

Step: V5

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vocabulary

Barcode 33333
Reference 3333333

obsolete

- archaic**
- private**
- diluvian**
- tangible**
- poor**
- visible**

Step: V6

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vocabulary

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Barcode 33333
Reference 3333333

revoked

- abolished**
- opposed**
- disclosed**
- maligned**
- aggravated**
- elicited**

Step: V7

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vocabulary

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Barcode 33333
Reference 3333333

ambiguous

- mediocre**
- analogue**
- equivocal**
- tortured**
- narrow**
- aspiring**

Step: V8

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vocabulary

Barcode 33333
Reference 3333333

assail

- greet**
- chant**
- espouse**
- placate**
- assault**
- glide**

Step: V9

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vocabulary

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Barcode 33333
Reference 3333333

obsequious

pretentious

miserly

attentive

servile

ornamental

perverted

Step: V10

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vocabulary

Barcode 33333
Reference 3333333

puerile

- nasty**
- rotten**
- baleful**
- immature**
- exhausted**
- sterile**

Step: V11

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vocabulary

Barcode 33333
Reference 3333333

paroxysm

- repetition**
- defeat**
- contradiction**
- paralysis**
- convulsion**
- infection**

Step: V12

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vocabulary

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Barcode 33333
Reference 3333333

ubiquitous

- indifferent**
- ulcerated**
- virtuous**
- abandoned**
- omnipresent**
- ambivalent**

Step: V13

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vocabulary

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Barcode 33333
Reference 3333333

pinion

- theory**
- shackle**
- slave**
- belief**
- gear**
- scallion**

Step: V14

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vocabulary

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Barcode 33333
Reference 3333333

audaciously

- cleverly**
- suddenly**
- loudly**
- easily**
- artfully**
- courageously**

Step: V15

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vocabulary

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Barcode 33333
Reference 3333333

putative

- disqualified**
- violent**
- calculated**
- supposed**
- hesitant**
- premeditated**

Step: V16

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vocabulary

Barcode 33333
Reference 3333333

kaolin

- oil**
- instrument**
- bird**
- sport**
- marsupial**
- rock**

Step: V17

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vocabulary

Barcode 33333
Reference 3333333

apocryphal

- authorized**
- complicated**
- catastrophic**
- revelatory**
- spurious**
- contrite**

Step: V18

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vocabulary

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Barcode 33333
Reference 3333333

arcane

- trivial**
- vaulted**
- mysterious**
- wise**
- profound**
- antique**

Step: V19

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vocabulary

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Barcode 33333
Reference 3333333

epigone

- climax**
- abdomen**
- successor**
- satire**
- envelope**
- rectangle**

Step: V20

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vocabulary



Barcode 33333
Reference 3333333

Well done, thank you for completing this test.

Please tap the "Next" for the next test.

Next

Step: Vocabulary_Finish

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Trails

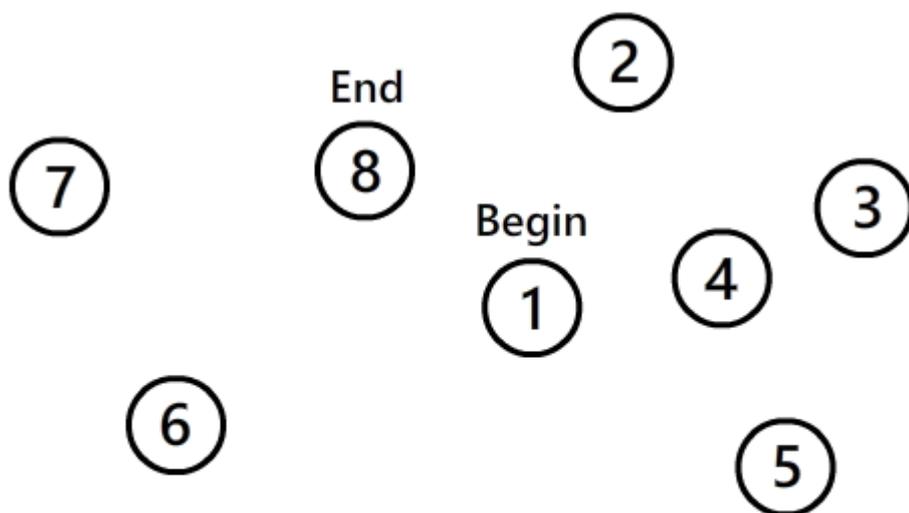
— □ ×

Barcode 33333
Reference 3333333

We now want to measure your co-ordination.

This is a practice. Beginning with number 1, join all the circles in numeric order by clicking the next numbered circle.

Please work as quickly and accurately as you can.



cogtest

Trails

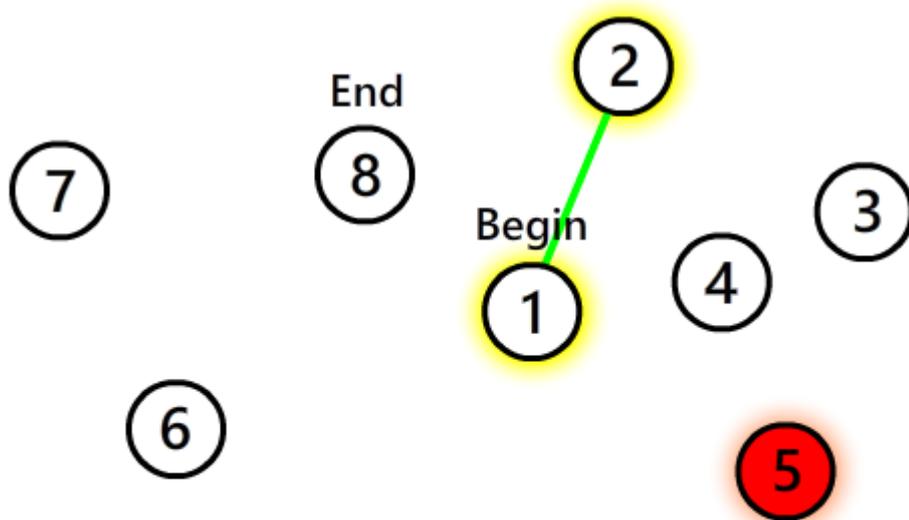
— □ ×

Barcode 33333
Reference 3333333

We now want to measure your co-ordination.

This is a practice. Beginning with number 1, join all the circles in numeric order by clicking the next numbered circle.

Please work as quickly and accurately as you can.



Step: Trails_P1

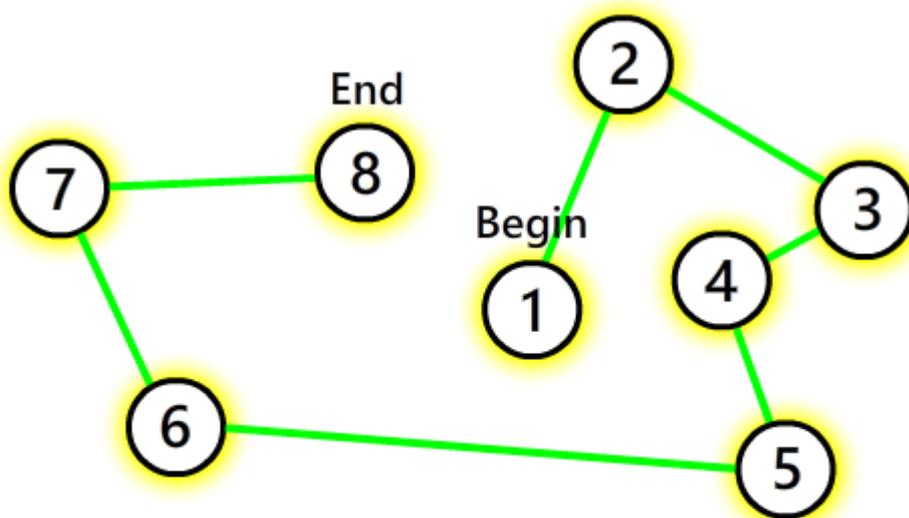
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Trails

Barcode 33333
Reference 3333333

Well done.

Click "Start" to begin the test.



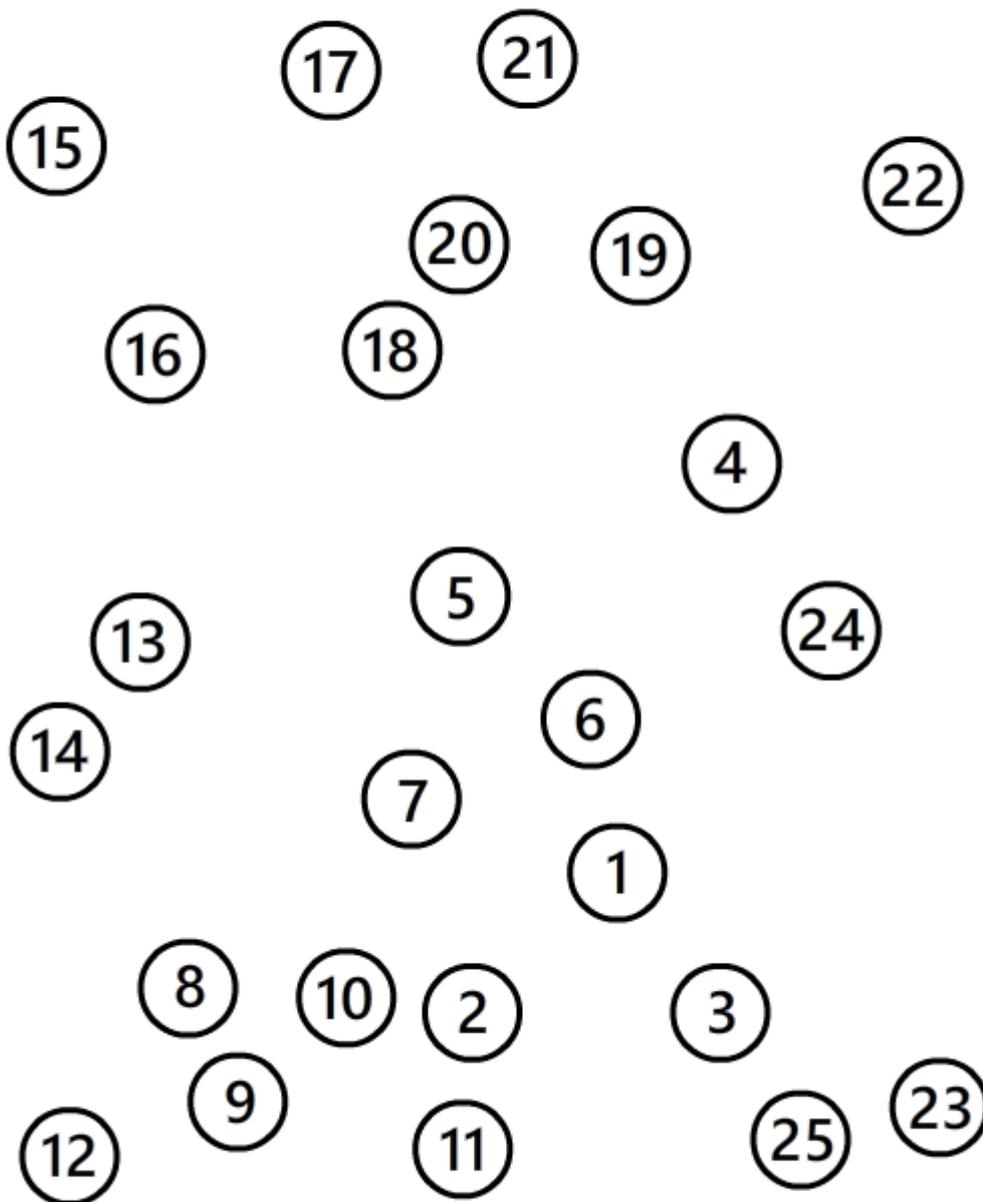
Start

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Trails

— □ ×

Barcode 22222
Reference 2222222



Step: Trails_Test1

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Trails

Barcode 22222
Reference 2222222

Step: Trails_Test1

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Trails

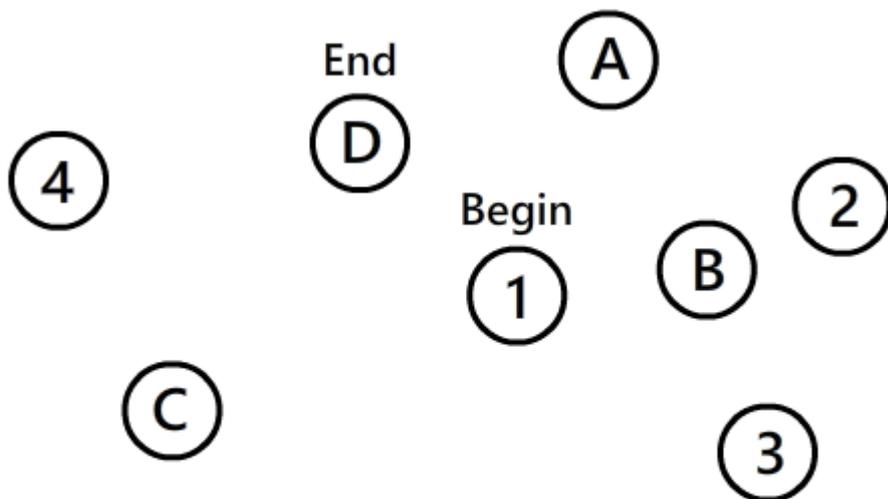
— □ ×

Barcode 33333
Reference 3333333

This is a practice. Beginning with number 1 join all the circles alternating between numbers and letters in ascending order, e.g.

1 ... A ... 2 ... B

Please work as quickly and accurately as you can.

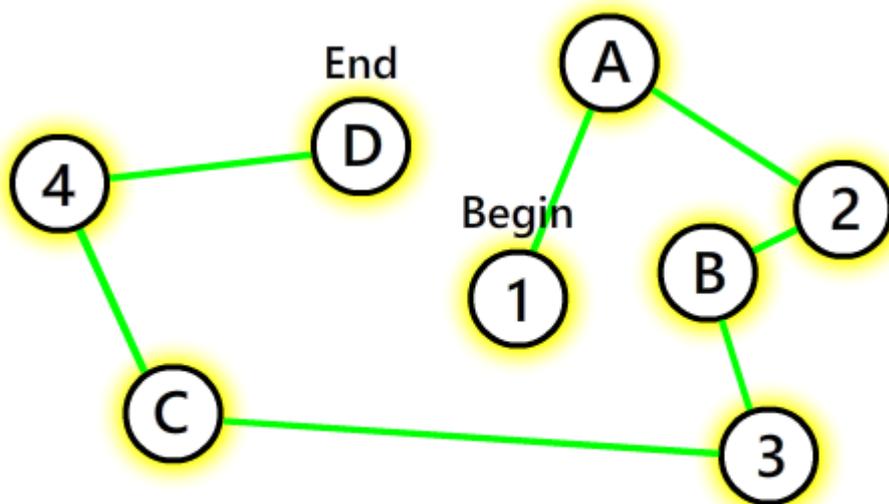


cogtest
Trails

Barcode 33333
Reference 3333333

Well done.

Click "Start" to begin the test.

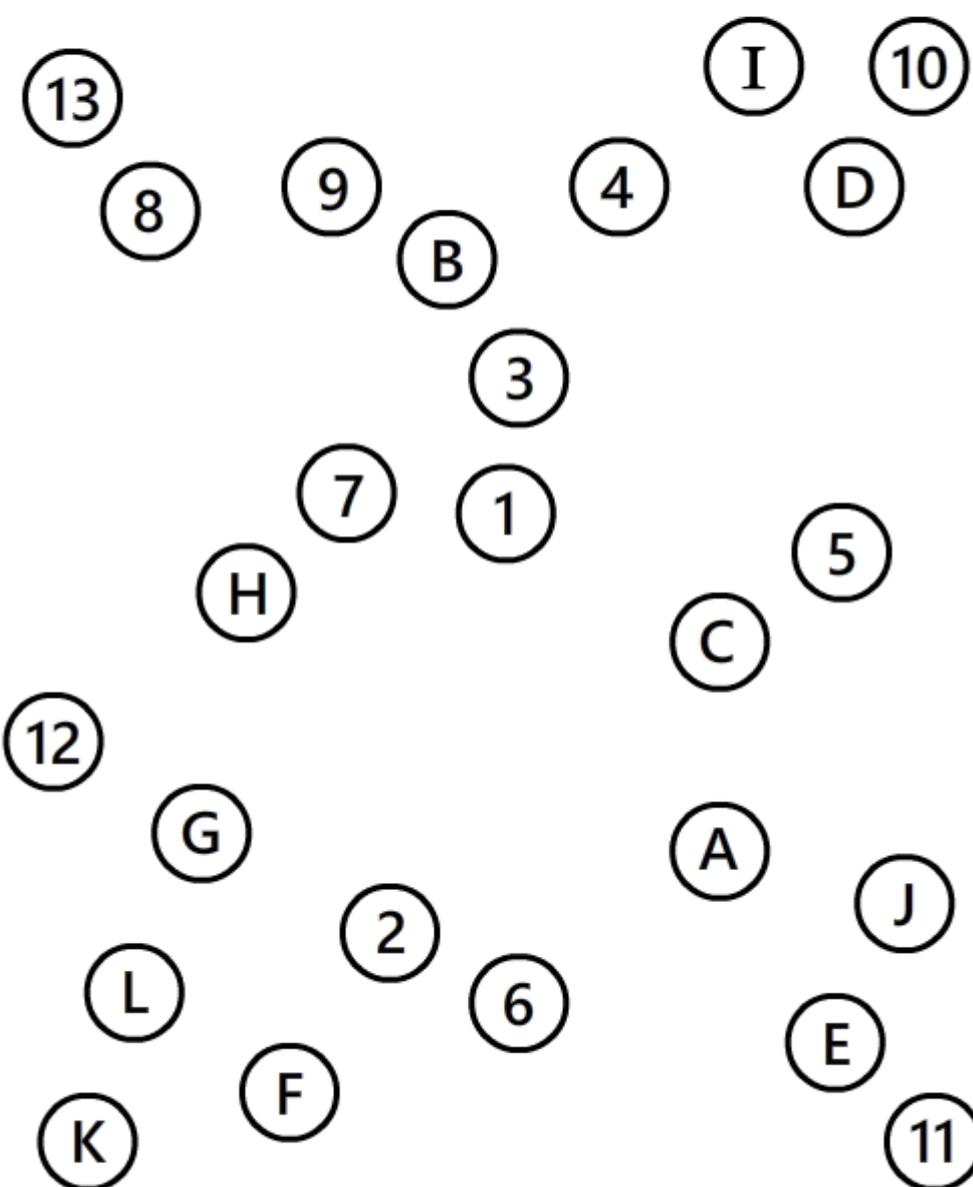


Start

 cogtest

Trails

Barcode 22222
Reference 2222222



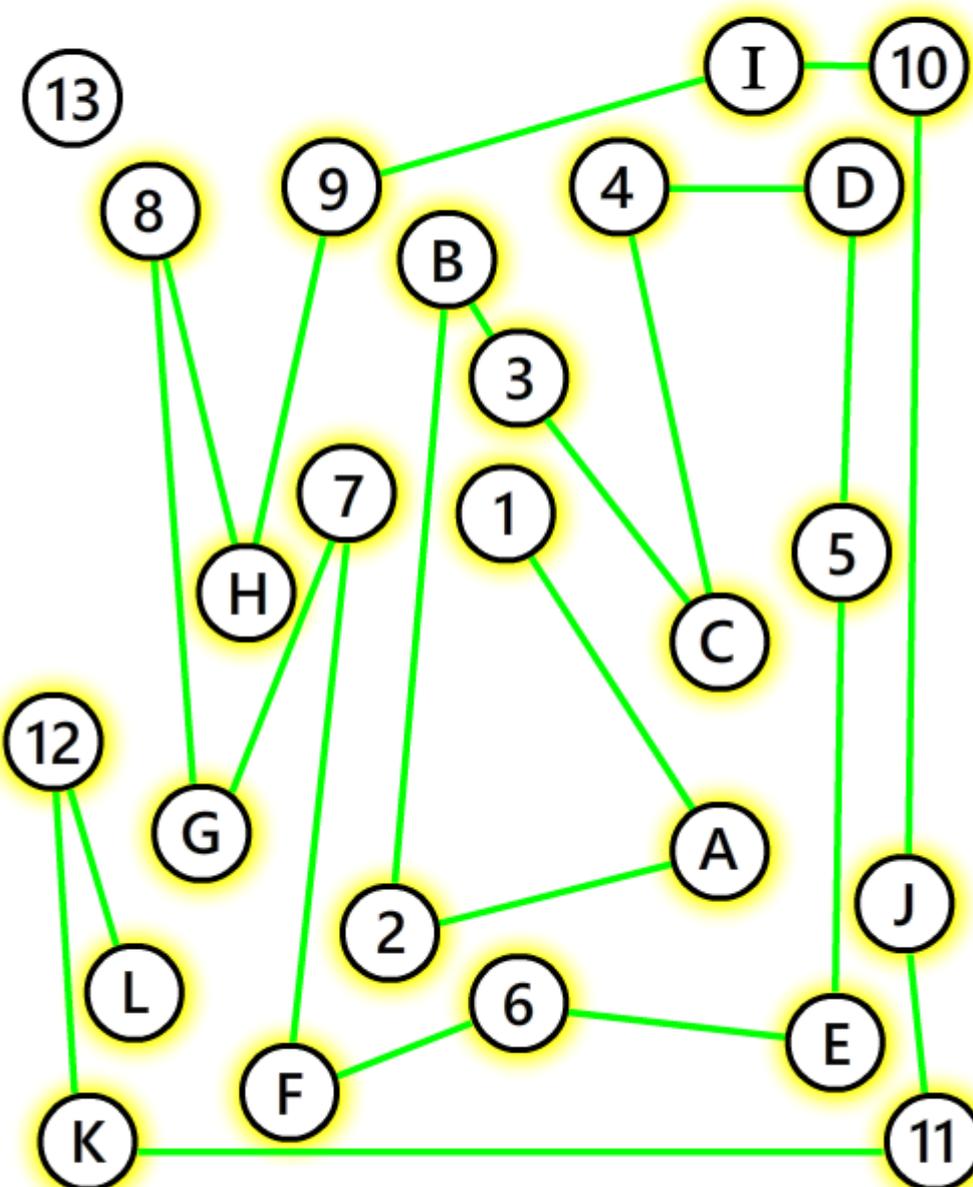
Step: Trails_Test2

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Trails

Barcode 22222
Reference 2222222



Step: Trails_Test2

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Trails

Barcode 33333
Reference 3333333

This section is now complete.

Thank you for doing it.

Please click Next for the next test.

Next

Step: Trails_Finish

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symbols

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Barcode 22222
Reference 2222222

This is a code-breaking game. A code is given in a bar near the top of the page linking a symbol to a number. In this test you will have to match symbols and numbers.

In the lower bar, place the correct number in the box under each symbol according to the code. Working from left to right, select the correct number using the number pad on the screen.

Please work as quickly and accurately as you can. You will have ONE MINUTE to do as many as you can.

Please click "Next" to practise before taking the test.

1	2	3	4	5	6	7	8

5	2						

Next

cogtest

symbols

— □ ×

Barcode 22222
Reference 2222222

Please practise with this code grid (do not memorise it as the code will change for the test).

To select the number for each symbol, click on the number pad appearing on screen below.

1	2	3	4	5	6	7	8

1	2	3	4
5	6	7	8

Step: Symbols_P1

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symbols

Barcode 22222
Reference 2222222

Please practise with this code grid (do not memorise it as the code will change for the test).

To select the number for each symbol, click on the number pad appearing on screen below.

1	2	3	4	5	6	7	8

7	4	6	2	3	8	5	

1	2	3	4
5	6	7	8

Step: Symbols_P1

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symbols

Barcode 22222
Reference 2222222

Click "Next" to take the test.

1	2	3	4	5	6	7	8

7	4	6	2	3	8	5	1

Next

Step: Symbols_P1_Finish

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symbols

Barcode 22222
Reference 2222222

							
1	2	3	4	5	6	7	8

1	2	3	4
5	6	7	8

Step: Symbols_Timed

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symbols

Barcode 22222
Reference 2222222

H	⚡	⌋	🌲	+	☾	=	■
1	2	3	4	5	6	7	8

=	⌋	■	+	☾	H	🌲	⚡

1	2	3	4
5	6	7	8

Step: Symbols_Timed

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symbols

Barcode 22222
Reference 2222222

							
1	2	3	4	5	6	7	8

							
7	3	8	5	6	1	4	

1	2	3	4
5	6	7	8

Step: Symbols_Timed

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