# Cognition - Number Series Task 


#### Abstract

olmcardle Cognition - McArdle Number Series Task OVERVIEW

The McArdle \& Woodcock number series task measures induction and reasoning ability with particular emphasis on quantitative reasoning. Each item consisted of a series of numbers (e.g., 23, 26, 30, 35, __) and participants were asked to identify the number that correctly completed the series. There are 15 different questions but each participant was only asked to answer six of them. All participants saw the same three items in the first block of questions. The number of items answered correctly determined the difficulty of the three items in a second block. Thus, each participant completed six items in total and a score was calculated based on which second block was completed and how many answers were correct in each block. No time restriction was provided for this task.

Participants who refused the entire module before they were asked the first number series, have code -3 in the variable oli615re. They also get the code -3 for each of the 15 individual questions (o1i600re - oli614re). People who refused the module after they heard at least one of the questions are coded -10 for the first question in which they refused and are coded -3 for every subsequent question.


More information about these measures can be found here: http://alpha.fdu.edu/psychology/woodcock_cog_descrip.htm

BRIEF VARIABLE DESCRIPTIONS
Variable names do not reflect actual item numbers from the original McArdle \& Woodcock test in any way. Numbers within the variable names correspond to the order in which the questions were asked or potentially asked.

| o1i600re-o1i614re: | Variables indicating participant's responses to number series questions. |
| :---: | :---: |
| oli600ret-o1i614ret: | Variables indicating the amount of time it took to answer questions corresponding with variable name. |
| o1i615re: | Variable gives a number (0-3) that indicates the number of correct questions out of the first three and determines the route taken in the second half of number series task. |
| o1i616re: | What group of questions participant received and global refusal during introduction. |
| o1i621re: | NS Rasch Score, determined by the correct answers provided on two sets of questions |

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oli622re: Simple Score, determined by adding the number
of correct answers together, extra points
given for harder questions.
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o1i600re: The first question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent
Source variables: x_nsa4, x_nsb4

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 26 | 24 | 50 |
| -1 | DON'T KNOW | 4 | 0 | 4 |
| 0 | INCORRECT | 45 | 86 | 131 |
| 1 | CORRECT | 623 | 749 | 1372 |

Note: oli600re - oli602re were asked to all participants

## o1i601re: The second question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent
Source variables: x_nsa7, x_nsb7

Collected in: 2020 Mode: In person \& telephone

|  |  | Frequencies |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Value | Label | Male | Female | Total |  |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |  |
| -10 | REFUSED MODULE STARTING WITH THIS QUESTION | 3 | 1 | 4 |  |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |  |
| -3 | REFUSED THIS ITEM | 27 | 25 | 52 |  |
| -1 | DON'T KNOW | 9 | 12 | 21 |  |
| 0 | INCORRECT | 252 | 327 | 579 |  |
| 1 | CORRECT | 407 | 494 | 901 |  |

Note: o1i600re - oli602re were asked to all participants

## o1i602re: The third question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone

Source variables: x_nsa11, x_nsb11

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -10 | REFUSED MODULE STARTING WITH THIS QUESTION | 2 | 3 | 5 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 29 | 28 | 57 |
| -1 | DON'T KNOW | 9 | 28 | 37 |
| 0 | INCORRECT | 374 | 579 | 953 |
| 1 | CORRECT | 284 | 221 | 505 |

Note: o1i600re - o1i602re were asked to all participants

## o1i603re: The fourth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_nsa1, x_nsb1

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 27 | 27 | 54 |
| -2 | Inappropriate |  |  |  |
| 0 | INAP, Did not get 0 of first 3 correct (o1i615re !=0) | 640 | 789 | 1429 |
| 1 | INCORRECT | 3 | 2 | 5 |

Note: oli603re - oli605re were asked to those who answered none of the first 3 questions correctly

## o1i604re: The fifth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent
Collected in: 2020 Mode: In person \& telephone
Source variables: x_nsa2, x_nsb2

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 27 | 27 | 54 |
| -2 | Inappropriate |  |  |  |
| -1 | INAP, Did not get 0 of first 3 correct (o1i615re != 0) | 640 | 789 | 1429 |
| 0 | DON'T KNOW | 1 | 0 | 1 |
| 1 | INCORRECT | 4 | 4 | 8 |
|  | CORRECT | 26 | 39 | 65 |

Note: oli603re - oli605re were asked to those who answered none of the first 3 questions correctly

## o1i605re: The sixth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent $\quad$ Collected in: 2020 Mode: In person \& telephone
Source variables: $x$ nsa3, x nsb3

## Source variables: x_nsa3, x_nsb3

## Frequencies

| Value | Label | Male | Female | Total |
| :--- | :--- | :--- | :--- | :--- |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 27 | 27 | 54 |
| -2 | Inappropriate |  |  |  |
| -1 | INAP, Did not get 0 of first 3 correct (o1i615re !=0) | 640 | 789 | 1429 |
| 0 | DON'T KNOW | 2 | 1 | 3 |
| 1 | INCORRECT | 10 | 11 | 21 |

Note: oli603re - oli605re were asked to those who answered none of the first 3 questions correctly

## o1i606re: The seventh question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent<br>Collected in: 2020<br>Mode: In person \& telephone<br>Source variables: x_nsa5, x_nsb5

|  |  | Frequencies |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Value | Label | Male | Female | Total |  |
| - | System missing - NR | 3738 | 3481 | 7219 |  |
| -10 | REFUSED MODULE STARTING WITH THIS QUESTION | 0 | 1 | 1 |  |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |  |
| -3 | REFUSED THIS ITEM | 28 | 27 | 55 |  |
| -2 | Inappropriate |  | 509 | 572 |  |
|  | INAP, Did not get 1 of first 3 correct (oli615re != 1) |  | 1081 |  |  |
| -1 | DON'T KNOW | 1 | 0 | 1 |  |
| 0 | INCORRECT | 34 | 54 | 88 |  |
| 1 | CORRECT | 126 | 205 | 331 |  |

Note: o1i606re - o1i608re were asked to those who answered 1 of the first 3 questions correctly

## o1i607re: The eighth question in McArdle \& Woodcock Number Series Task

## Data source: Sibling Respondent

Collected in: 2020
Mode: In person \& telephone
Source variables: x_nsa6, x_nsb6

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 28 | 29 | 57 |
| -2 | Inappropriate |  |  |  |
| INAP, Did not get 1 of first 3 correct (o1i615re ! $=1)$ | 509 | 572 | 1081 |  |
| 0 | DON'T KNOW | INCORRECT | 2 | 9 |
| 1 | CORRECT | 62 | 102 | 164 |

[^0]
## oli608re: The ninth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent
Collected in: 2020 Mode: In person \& telephone
Source variables: x_nsa8, x_nsb8

## Frequencies

| Value | Label | Male | Female | Total |
| :--- | :--- | :--- | :--- | :--- |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 29 | 29 | 58 |
| -2 | Inappropriate |  |  |  |
| INAP, Did not get 1 of first 3 correct (o1i615re ! $=1)$ | 509 | 572 | 1081 |  |
| 0 | DON'T KNOW | 1 | 13 | 14 |
| 1 | INCORRECT | 95 | 154 | 249 |
|  | CORRECT | 64 | 91 | 155 |

Note: oli606re - o1i608re were asked to those who answered 1 of the first 3 questions correctly

## o1i609re: The tenth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent<br>Collected in: 2020<br>Mode: In person \& telephone<br>Source variables: x_nsa9, x_nsb9

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 25 | 25 | 50 |
| -2 | Inappropriate |  |  |  |
| -1 | INAP, Did not get 2 of first 3 correct (o1i615re != 2) | 395 | 461 | 856 |
| 0 | DON'T KNOW | 3 | 9 | 12 |
| 1 | INCORRECT | 151 | 199 | 350 |

Note: oli609re - oli611re were asked to those who answered 2 of the first 3 questions correctly

## o1i610re: The eleventh question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone
Source variables: x_nsa10, x_nsb10

|  |  | Frequencies |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Value | Label | Male | Female | Total |  |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |  |
| -10 | REFUSED MODULE STARTING WITH THIS QUESTION | 0 | 1 | 1 |  |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |  |
| -3 | REFUSED THIS ITEM | 25 | 23 | 48 |  |
| -2 | Inappropriate |  | 395 | 461 | 856 |
| -1 | INAP, Did not get 2 of first 3 correct (oli615re !=2) | 4 | 6 | 10 |  |
| 0 | DON'T KNOW | 109 | 167 | 276 |  |
| 1 | INCORRECT | 165 | 201 | 366 |  |

[^1]
## o1i611re: The twelfth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_nsa12, x_nsb12_a, x_nsb12_b

## Frequencies

| Value | Label | Male | Female | Total |
| :--- | :--- | :--- | :--- | :--- |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -10 | REFUSED MODULE STARTING WITH THIS QUESTION | 1 | 1 | 2 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 25 | 24 | 49 |
| -2 | Inappropriate |  | 395 | 461 |
| -1 | DNAP, Did not get 2 of first 3 correct (o1i615re != 2) | 2 | 16 | 18 |
| 0 | INCORRECT KNOW | 166 | 213 | 379 |
| 1 | CORRECT | 109 | 144 | 253 |

Note: o1i609re - oli611re were asked to those who answered 2 of the first 3 questions correctly

## o1i612re: The thirteenth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone
Source variables: x_nsa13, x_nsb13

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 25 | 23 | 48 |
| -2 | Inappropriate |  |  |  |
| -1 | INAP, Did not get 3 of first 3 correct (o1i615re !=3) | 475 | 686 | 1161 |
| 0 | DON'T KNOW | 3 | 6 | 9 |
| 1 | INCORRECT | 75 | 71 | 146 |

Note: oli612re - oli614re were asked to those who answered all 3 of the first 3 questions correctly

## o1i613re: The fourteenth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone
Source variables: x_nsa14, x_nsb14

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 26 | 23 | 49 |
| -2 | Inappropriate |  |  |  |
|  | INAP, Did not get 3 of first 3 correct (o1i615re !=3) | 475 | 686 | 1161 |
| -1 | DON'T KNOW | 3 | 4 | 7 |
| 1 | INCORRECT | 111 | 100 | 211 |

Note: oli612re-oli614re were asked to those who answered all 3 of the first 3 questions correctly

## o1i614re: The fifteenth question in McArdle \& Woodcock Number Series Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_nsa15_a, x_nsa15_b, x_nsb15

## Frequencies

| Value | Label | Male | Female | Total |
| :--- | :--- | :--- | :--- | :---: |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -10 | REFUSED MODULE STARTING WITH THIS QUESTION | 0 | 1 | 1 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -3 | REFUSED THIS ITEM | 28 | 24 | 52 |
| -2 | Inappropriate | 475 | 686 | 1161 |
| -1 | INAP, Did not get 3 of first 3 correct (o1i615re !=3) | 19 | 19 | 38 |
| 0 | INCORR'T KNOW | 140 | 114 | 254 |
| 1 | CORRECT | 36 | 15 | 51 |

Note: oli612re - oli614re were asked to those who answered all 3 of the first 3 questions correctly

## o1i615re: Number of first 3 questions correct

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone
Source variables: x nsa, b4-x nsa, b11
Source variables: x_nsa, b4-x_nsa, b11

Frequencies

| Value | Label | Male | Female | Total |
| :--- | :--- | :--- | :--- | :--- |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, R refused task at introduction (o1i616re $=-3)$ | 25 | 23 | 48 |
| 0 |  | 33 | 47 | 80 |
| 1 | 164 | 264 | 428 |  |
| 2 |  | 278 | 375 | 653 |
| 3 | 198 | 150 | 348 |  |

## o1i616re: Group assignment and before module refusals

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_mcaref, p_mcardleflg

## Frequencies

| Value | Label | Male | Female | Total |
| :--- | :--- | :--- | :--- | :--- |
| $\cdot$ | System missing - NR | 3738 | 3481 | 7219 |
| -5 | Partial Interview | 1 | 1 | 2 |
| -3 | REFUSED MODULE | 25 | 23 | 48 |
| 1 | GROUP A | 344 | 387 | 731 |
| 2 | GROUP B | 329 | 449 | 778 |

## oli600ret: Time in hundredths of seconds it took to answer the first question

Data source: Sibling Respondent<br>Collected in: 2020<br>Mode: In person \& telephone

|  |  | Frequencies |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Value | Label | Male | Female | Total |
|  | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate |  |  |  |
| INAP, R refused task at introduction (oli616re $=-3)$ | 25 | 23 | 48 |  |
| $504-1952$ |  | 142 | 160 | 302 |
| $1953-2279$ |  | 135 | 166 | 301 |
| $2280-2689$ |  | 138 | 163 | 301 |
| $269-3390$ |  | 120 | 181 | 301 |
| $3395-29831$ |  | 138 | 166 | 304 |

## oli601ret: Time in hundredths of seconds it took to answer the second question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns7t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, R refused task at introduction (o1i616re $=-3$ ) | 25 | 23 | 48 |
| 236-3019 |  | 139 | 162 | 301 |
| 3023-3723 |  | 131 | 170 | 301 |
| 3728-4597 |  | 134 | 167 | 301 |
| 4599-5935 |  | 132 | 169 | 301 |
| 5937-32087 |  | 137 | 168 | 305 |

## o1i602ret: Time in hundredths of seconds it took to answer the third question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns11t

| Value | Frequencies |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $\cdot$ | Label | Male | Female | Total |
| -5 | System missing - NR | 3742 | 3483 | 7225 |
| -2 | PARTIAL INTERVIEW | 1 | 1 | 2 |
|  | Inappropriate |  |  |  |
| INAP, R refused task at introduction (o1i616re = -3) | 25 | 23 | 48 |  |
| $355-3383$ |  | 145 | 156 | 301 |
| $3386-4254$ |  | 158 | 142 | 300 |
| $4255-5227$ |  | 116 | 184 | 300 |
| $5228-7089$ |  | 126 | 174 | 300 |
| $7099-26588$ |  | 124 | 178 | 302 |

## o1i603ret: Time in hundredths of seconds it took to answer the fourth question

Data source: Sibling Respondent<br>Collected in: 2020<br>Mode: In person \& telephone

Source variables: x_ns1t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4380 | 4272 | 8652 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 0 of first 3 correct (oli615re != 0 ) | 25 | 23 | 48 |
| 237-1748 |  | 4 | 11 | 15 |
| 1837-2155 |  | 6 | 9 | 15 |
| 2233-2534 |  | 8 | 7 | 15 |
| 2551-3398 |  | 5 | 10 | 15 |
| 3445-8284 |  | 8 | 8 | 16 |

## o1i604ret: Time in hundredths of seconds it took to answer the fifth question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns2t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| - | System missing - NR | 4380 | 4273 | 8653 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 0 of first 3 correct (o1i615re !=0) | 25 | 23 | 48 |
| 121-1582 |  | 4 | 11 | 15 |
| 1652-1993 |  | 5 | 10 | 15 |
| 2026-2349 |  | 9 | 6 | 15 |
| 2366-3461 |  | 6 | 9 | 15 |
| 3513-8822 |  | 7 | 8 | 15 |

## oli605ret: Time in hundredths of seconds it took to answer the sixth question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns3t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4380 | 4272 | 8652 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 0 of first 3 correct (o1i615re ! = 0) | 25 | 23 | 48 |
| 99-2185 |  | 3 | 12 | 15 |
| 2218-2650 |  | 7 | 8 | 15 |
| 2732-3308 |  | 8 | 7 | 15 |
| 3347-4590 |  | 7 | 8 | 15 |
| 4692-12117 |  | 6 | 10 | 16 |

## o1i606ret: Time in hundredths of seconds it took to answer the seventh question

Data source: Sibling Respondent<br>Collected in: 2020<br>Mode: In person \& telephone<br>Source variables: x_ns5t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4250 | 4055 | 8305 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 1 of first 3 correct (oli615re != 1) | 25 | 23 | 48 |
| 197-2167 |  | 33 | 51 | 84 |
| 2168-2650 |  | 37 | 47 | 84 |
| 2652-3232 |  | 34 | 51 | 85 |
| 3241-4199 |  | 28 | 56 | 84 |
| 4206-21932 |  | 29 | 57 | 86 |

## o1i607ret: Time in hundredths of seconds it took to answer the eighth question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns6t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4250 | 4056 | 8306 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 1 of first 3 correct (o1i615re != 1) | 25 | 23 | 48 |
| 200-2461 |  | 36 | 48 | 84 |
| 2464-3157 |  | 33 | 51 | 84 |
| 3164-4143 |  | 35 | 49 | 84 |
| 4149-5483 |  | 25 | 59 | 84 |
| 5523-23007 |  | 32 | 54 | 86 |

## o1i608ret: Time in hundredths of seconds it took to answer the ninth question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns8t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4250 | 4056 | 8306 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 1 of first 3 correct (o1i615re != 1) | 25 | 23 | 48 |
| 116-2391 |  | 37 | 47 | 84 |
| 2396-2950 |  | 39 | 45 | 84 |
| 2968-3812 |  | 28 | 56 | 84 |
| 3813-5372 |  | 26 | 58 | 84 |
| 5389-22719 |  | 31 | 55 | 86 |

## o1i609ret: Time in hundredths of seconds it took to answer the tenth question

Data source: Sibling Respondent<br>Collected in: 2020<br>Mode: In person \& telephone<br>Source variables: x_ns9t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4133 | 3942 | 8075 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 2 of first 3 correct (o1i615re !=2) | 25 | 23 | 48 |
| 161-3060 |  | 50 | 80 | 130 |
| 3069-3797 |  | 48 | 82 | 130 |
| 3800-4847 |  | 61 | 69 | 130 |
| 4850-6421 |  | 64 | 66 | 130 |
| 6424-19787 |  | 55 | 78 | 133 |

## oli610ret: Time in hundredths of seconds it took to answer the eleventh question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns10t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4133 | 3942 | 8075 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 2 of first 3 correct (o1i615re ! = 2) | 25 | 23 | 48 |
| 887-2617 |  | 49 | 81 | 130 |
| 2619-3157 |  | 49 | 81 | 130 |
| 3158-3770 |  | 58 | 72 | 130 |
| 3774-4920 |  | 69 | 61 | 130 |
| 4929-22336 |  | 53 | 80 | 133 |

## o1i611ret: Time in hundredths of seconds it took to answer the twelfth question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: $x$ _ns12t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4134 | 3943 | 8077 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 2 of first 3 correct (o1i615re ! = 2) | 25 | 23 | 48 |
| 245-3794 |  | 55 | 75 | 130 |
| 3798-4826 |  | 62 | 68 | 130 |
| 4832-6046 |  | 45 | 85 | 130 |
| 6054-7532 |  | 52 | 78 | 130 |
| 7558-22408 |  | 63 | 68 | 131 |

## o1i612ret: Time in hundredths of seconds it took to answer the thirteenth question

Data source: Sibling Respondent<br>Source variables: x_ns13t<br>Collected in: 2020<br>Mode: In person \& telephone

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
|  | System missing - NR | 4213 | 4168 | 8381 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 3 of first 3 correct (oli615re != 3 ) | 25 | 23 | 48 |
| 1753-2952 |  | 36 | 33 | 69 |
| 2997-4272 |  | 42 | 27 | 69 |
| 4273-5821 |  | 40 | 29 | 69 |
| 5878-8211 |  | 43 | 26 | 69 |
| 8215-25940 |  | 37 | 34 | 71 |

## oli613ret: Time in hundredths of seconds it took to answer the fourteenth question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns14t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4214 | 4167 | 8381 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 3 of first 3 correct (o1i615re ! = 3) | 25 | 23 | 48 |
| 2475-4526 |  | 45 | 24 | 69 |
| 4541-5436 |  | 49 | 20 | 69 |
| 5444-7036 |  | 29 | 40 | 69 |
| 7042-9726 |  | 34 | 35 | 69 |
| 9729-24308 |  | 40 | 31 | 71 |

## o1i614ret: Time in hundredths of seconds it took to answer the fifteenth question

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_ns15t

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 4215 | 4173 | 8388 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, Did not get 3 of first 3 correct (o1i615re != 3 ) | 25 | 23 | 48 |
| 1002-6007 |  | 44 | 24 | 68 |
| 6068-8200 |  | 42 | 26 | 68 |
| 8229-10996 |  | 36 | 32 | 68 |
| 11022-15885 |  | 33 | 35 | 68 |
| 16002-31300 |  | 41 | 27 | 68 |

## o1i621re: NS Rasch Scoring of all answered questions

Data source: Sibling Respondent
Source variables: x_nsa1-x_nsb15

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate INAP, R refused task at introduction (o1i616re $=-3$ ) or R did not give an answer to every question in 6 required | 35 | 38 | 73 |
| 448 |  | 3 | 3 | 6 |
| 479 |  | 14 | 12 | 26 |
| 497 |  | 14 | 28 | 42 |
| 500 |  | 14 | 29 | 43 |
| 512 |  | 51 | 81 | 132 |
| 523 |  | 51 | 83 | 134 |
| 528 |  | 63 | 102 | 165 |
| 534 |  | 43 | 65 | 108 |
| 537 |  | 81 | 94 | 175 |
| 545 |  | 85 | 114 | 199 |
| 546 |  | 51 | 61 | 112 |
| 556 |  | 120 | 111 | 231 |
| 570 |  | 52 | 32 | 84 |
| 586 |  | 21 | 6 | 27 |

Note: Participants who refused one or more individual items are coded as inapplicable. Participants who answered "Don't Know" for any item are counted as a wrong answer for the purposes of the summary score.

## o1i622re: Simple Score for McArdle Task

Data source: Sibling Respondent Collected in: 2020 Mode: In person \& telephone Source variables: x_nsa1-x_nsb15

| Value | Label | Frequencies |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total |
| . | System missing - NR | 3738 | 3481 | 7219 |
| -5 | PARTIAL INTERVIEW | 1 | 1 | 2 |
| -2 | Inappropriate <br> INAP, R refused task at introduction (o1i616re $=-3$ ) or R did not give an answer to every question in 6 required | 35 | 38 | 73 |
| 1 |  | 3 | 3 | 6 |
| 2 |  | 14 | 12 | 26 |
| 3 |  | 14 | 28 | 42 |
| 4 |  | 14 | 29 | 43 |
| 5 |  | 51 | 81 | 132 |
| 6 |  | 51 | 83 | 134 |
| 7 |  | 43 | 65 | 108 |
| 8 |  | 63 | 102 | 165 |
| 9 |  | 81 | 94 | 175 |
| 10 |  | 85 | 114 | 199 |
| 11 |  | 49 | 61 | 110 |
| 12 |  | 51 | 61 | 112 |
| 13 |  | 71 | 50 | 121 |
| 14 |  | 52 | 32 | 84 |
| 15 |  | 21 | 6 | 27 |

Note: Simple Score is created by adding the number of correctly answered items in the second set plus 3,6 or 9 points depending on the number of questions correctly answered in the first set ( 1,2 or 3 respectively) which determined the difficulty of the second set.
Note: Participants who refused one or more individual items are coded as inapplicable. Participants who answered "Don't Know" for any item are counted as a wrong answer for the purposes of the summary score.

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[^0]:    Note: o1i606re - o1i608re were asked to those who answered 1 of the first 3 questions correctly

[^1]:    Note: o1i609re - o1i611re were asked to those who answered 2 of the first 3 questions correctly

