Cognition - Number Series Task

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 (oli600re - 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.

oli600re-oli614re: Variables indicating participant's responses

to number series questions.

oli600ret-oli614ret: Variables indicating the amount of time it

took to answer questions corresponding with

variable name.

oli615re: 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.

oli616re: What group of questions participant received

and global refusal during introduction.

oli621re: NS Rasch Score, determined by the correct

answers provided on two sets of questions.

o1i622re:

Simple Score, determined by adding the number of correct answers together, extra points given for harder questions.

o1i600re: The first question in McArdle & Woodcock Number Series Task

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

Source variables: x_nsa4, x_nsb4

Frequencies

Value	Label	Male	Female	Total
	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: o1i600re - o1i602re were asked to all participants

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

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

Source variables: x_nsa7, x_nsb7

]	Frequencie	ies	
Value	Label	Male	Female	Total	
·	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 - o1i602re 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
	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

]	Frequencie	S
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 INAP, Did not get 0 of first 3 correct (o1i615re != 0)	640	789	1429
0	INCORRECT	3	2	5
1	CORRECT	28	41	69

Note: o1i603re - o1i605re 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 INAP, Did not get 0 of first 3 correct (o1i615re != 0)	640	789	1429	
-1	DON'T KNOW	1	0	1	
0	INCORRECT	4	4	8	
1	CORRECT	26	39	65	

Note: o1i603re - o1i605re 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 Collected in: 2020 Mode: In person & telephone

Source variables: x_nsa3, x_nsb3

]	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 INAP, Did not get 0 of first 3 correct (o1i615re != 0)	640	789	1429	
-1	DON'T KNOW	2	1	3	
0	INCORRECT	10	11	21	
1	CORRECT	19	31	50	

Note: o1i603re - o1i605re 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 Collected in: 2020 Mode: In person & telephone

Source variables: x nsa5, x nsb5

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]	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 INAP, Did not get 1 of first 3 correct (o1i615re != 1)	509	572	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	
-1	DON'T KNOW	2	9	11	
0	INCORRECT	62	102	164	
1	CORRECT	97	147	244	

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

o1i608re: 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	
	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	
-1	DON'T KNOW	1	13	14	
0	INCORRECT	95	154	249	
1	CORRECT	64	91	155	

Note: o1i606re - 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 Collected in: 2020 Mode: In person & telephone

Source variables: x_nsa9, x_nsb9

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		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 INAP, Did not get 2 of first 3 correct (o1i615re != 2)	395	461	856
-1	DON'T KNOW	3	9	12
0	INCORRECT	151	199	350
1	CORRECT	124	165	289

Note: o1i609re - o1i611re 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			
	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 INAP, Did not get 2 of first 3 correct (o1i615re != 2)	395	461	856			
-1	DON'T KNOW	4	6	10			
0	INCORRECT	109	167	276			
1	CORRECT	165	201	366			

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

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

]	Frequencie	cies	
Value	Label	Male	Female	Total	
	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 INAP, Did not get 2 of first 3 correct (o1i615re != 2)	395	461	856	
-1	DON'T KNOW	2	16	18	
0	INCORRECT	166	213	379	
1	CORRECT	109	144	253	

Note: o1i609re - o1i611re 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

Wisconsin Longitudinal Study Codebook

		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 INAP, Did not get 3 of first 3 correct (o1i615re != 3)	475	686	1161
-1	DON'T KNOW	3	6	9
0	INCORRECT	75	71	146
1	CORRECT	120	73	193

Note: o1i612re - o1i614re 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
0	INCORRECT	111	100	211
1	CORRECT	83	46	129

Note: o1i612re - o1i614re 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
	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 INAP, Did not get 3 of first 3 correct (o1i615re != 3)	475	686	1161
-1	DON'T KNOW	19	19	38
0	INCORRECT	140	114	254
1	CORRECT	36	15	51

Note: o1i612re - o1i614re were asked to those who answered all 3 of the first 3 questions correctly

oli615re: 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

		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 (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
	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

o1i600ret: Time in hundredths of seconds it took to answer the first question

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

Source variables: x_ns4t

		Frequencie		
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 (o1i616re = -3)	25	23	48
504 - 1952		142	160	302
1953 - 2279		135	166	301
2280 - 2689		138	163	301
2692 - 3390		120	181	301
3395 - 29831		138	166	304

o1i601ret: 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

		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 (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

		Frequencies			
Value	Label	Male	Female	Total	
	System missing - NR	3742	3483	7225	
-5	PARTIAL INTERVIEW	1	1	2	
-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 Collected in: 2020 Mode: In person & telephone

Source variables: x_ns1t

		Frequencies		
Value	Label	Male	Female	Total
•	System missing - NR	4380	4272	8652
-5	PARTIAL INTERVIEW	1	1	2
-2	Inappropriate INAP, Did not get 0 of first 3 correct (o1i615re != 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 ${\bf r}$

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

Source variables: x_ns2t

			Frequencies			
Value	Label	Male	Female	Total		
	System missing - NR	4380	4273	8653		
-5	PARTIAL INTERVIEW	1	1	2		
-2	Inappropriate 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		

o1i605ret: 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

		Frequencies			
Value	Label	Male	Female	Total	
	System missing - NR	4380	4272	8652	
-5	PARTIAL INTERVIEW	1	1	2	
-2	Inappropriate 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 ${\bf r}$

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

Source variables: x_ns5t

		Frequencies		
Value	Label	Male	Female	Total
	System missing - NR	4250	4055	8305
-5	PARTIAL INTERVIEW	1	1	2
-2	Inappropriate INAP, Did not get 1 of first 3 correct (o1i615re != 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 ${\bf r}$

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

Source variables: x_ns6t

		Frequencies		
Value	Label	Male	Female	Total
	System missing - NR	4250	4056	8306
-5	PARTIAL INTERVIEW	1	1	2
-2	Inappropriate 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

			Frequencies		
•	Value	Label	Male	Female	Total
		System missing - NR	4250	4056	8306
-5		PARTIAL INTERVIEW	1	1	2
-2		Inappropriate INAP, Did not get 1 of first 3 correct (o1i615re != 1)	25	23	48
116	- 2391		37	47	84
2396	6 - 2950		39	45	84
2968	8 - 3812		28	56	84
3813	3 - 5372		26	58	84
5389	9 - 22719		31	55	86

o1i609ret: Time in hundredths of seconds it took to answer the tenth question ${\bf r}$

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

Source variables: x_ns9t

		Frequencies			
Value	Label	Male	Female	Total	
	System missing - NR	4133	3942	8075	
-5	PARTIAL INTERVIEW	1	1	2	
-2	Inappropriate 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	

o1i610ret: Time in hundredths of seconds it took to answer the eleventh question ${\bf r}$

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

Source variables: x_ns10t

		Frequencies		
Value	Label	Male	Female	Total
	System missing - NR	4133	3942	8075
-5	PARTIAL INTERVIEW	1	1	2
-2	Inappropriate 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

oli611ret: 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

]	es	
Value	Label	Male	Female	Total
	System missing - NR	4134	3943	8077
-5	PARTIAL INTERVIEW	1	1	2
-2	Inappropriate 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 ${\bf r}$

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

Source variables: x_ns13t

		Frequencies		
Value	Label	Male	Female	Total
	System missing - NR	4213	4168	8381
-5	PARTIAL INTERVIEW	1	1	2
-2	Inappropriate INAP, Did not get 3 of first 3 correct (o1i615re != 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 Source variables: x_ns14t Mode: In person & telephone Collected in: 2020

		Frequencies			
Value	Label	Male	Female	Total	
	System missing - NR	4214	4167	8381	
-5	PARTIAL INTERVIEW	1	1	2	
-2	Inappropriate 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

		Frequencies		
Value	Label	Male	Female	Total
	System missing - NR	4215	4173	8388
-5	PARTIAL INTERVIEW	1	1	2
-2	Inappropriate 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 Collected in: 2020 Mode: In person & telephone

Source variables: x_nsa1-x_nsb15

		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 (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

Wisconsin Longitudinal Study Codebook

		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 (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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