

HRS 2022 — SECTION D: COGNITION  
COMMENTED PUBLIC VERSION -- 09/14/2021

NOTE ABOUT BRANCHPOINTS:

WHERE THERE IS MORE THAN ONE JUMP WITHIN A BRANCHPOINT BOX, THE  
JUMPS ARE TO BE APPLIED IN ORDER FROM THE TOP.

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NOTE ABOUT COLORS:

ALL TEXT IN TEAL IS SPECIFIC TO A WEB INTERVIEW.

ALL TEXT IN FUCHSIA IS SPECIFIC TO THE EXIT INTERVIEW.

THE CORE INTERVIEW IS DOCUMENTED USING BLACK TEXT, BUT BLACK TEXT  
CAN ALSO APPLY TO THE EXIT OR WEB INTERVIEW WHEN THERE ARE NO  
DIFFERENCES FROM THE CORE.

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NOTE ABOUT BOLD/UNDERLINE TEXT:

ANY QUESTION THAT IS UNDERLINED IN THE B&A WILL APPEAR IN BOLD IN CAPI  
AND WILL BE UNDERLINED FOR CAWI.

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**NOTE ABOUT EXIT INTERVIEW Rs:**

*ANY NEW SPOUSE/PARTNER THAT AN EXIT INTERVIEW R ACQUIRED SINCE  
HIS/HER LAST INTERVIEW IS IGNORED FOR THE PURPOSES OF THIS INTERVIEW.  
SIMILARLY, A SPOUSE/PARTNER WHO WAS REPORTED IN A PREVIOUS WAVE BUT  
WHO HAS NEVER BEEN INTERVIEWED WILL NOT HAVE AN EXIT INTERVIEW.*

*SINCE EXIT INTERVIEW Rs ARE REINTERVIEW Rs, QUESTIONS NOT ASKED OF  
REINTERVIEW Rs ALSO ARE NOT ASKED OF EXIT Rs, UNLESS OTHERWISE NOTED.*

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**NOTE ABOUT PREVIOUS BUTTON IN COGNITION WEB INTERVIEWS:**

**RESPONDENTS SHOULD NOT BE ABLE TO RETURN TO PREVIOUS SCREENS WITH TEST ITEMS; THE ONLY SCREENS CONTAINING A “PREVIOUS” BUTTON BACK UP TO NON-TEST QUESTIONS (D101-D103), AND SCREENS THAT ALLOW THE RESPONDENT TO READ INSTRUCTIONS (D114, D400, D440, D441, D401, D421, D301-D303, D270).**

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**NOTE ABOUT NON-RESPONSE FLOW:**

**ANY QUESTION THAT IS ASKED BUT LEFT WITHOUT A RESPONSE IN CAWI INTERVIEWS WILL FOLLOW THE SAME PATH AS A REFUSAL FOR THAT QUESTION, UNLESS OTHERWISE SPECIFIED.**

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**MAJOR FLOW CONTROL, CONDITION AND FILL VARIABLES \***

THIS IS A **REINTERVIEW R** (Z076=1);  
THIS IS A **NEW SPOUSE/PARTNER** OF A REINTERVIEW R (Z076=0);  
THIS IS A **NEVER INTERVIEWED R** or **NEW INTERVIEW R** (Z076=5)

THIS IS A **SELF** INTERVIEW (A009=1);  
**PROXY** INTERVIEW (A009={2 or 3}) or (A009 NOT 1);  
**PROXIED RESPONDENT** (A009 NOT 1)

R's **LAST IW MONTH** (per Z092), **YEAR** (per Z093)

R's **AGE** (per A019)

R's **FIRST NAME** (per X058)

RANDOM VARIABLE FOR NUMBER SERIES SET A VS. SET B: X525={1 OR 2}

~~RANDOM VARIABLE FOR VERBAL ANALOGIES SET A VS. SET B: X526={1 OR 2}~~

#@ JR (8/16/21)  
dropping VE test;  
#48839

**PROXIED R IS AVAILABLE** TO ASK ABOUT SOCIAL SECURITY NUMBER (W305=1)

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**ALTERNATE WAVE VARIABLE IS SET TO ASK QUESTIONS (D190=0):**

{D190 = (A504\_CurrWaveNdx – 6) MOD 2} = 0};

I.e., When subtracting the Indices (per A504) for Beginning Wave (Index XX1

for YrXXXX) from Current Wave (Index 8 for 2006), and the result is divided by the Wave Interval of XX2, the Integer Result leaves No Remainder

**ALTERNATE WAVE VARIABLE IS NOT SET TO ASK QUESTIONS (D190>0):**

{D190 = {(A504\_CurrWaveNdx - 6) MOD 2} > 0};

I.e., Integer Result yields a Remainder

**\*\* IN 2020 2022 THIS ALTERNATE WAVE VARIABLE IS SET TO NOT ASK QUESTIONS \*\***

**~~ALTERNATE WAVE VARIABLE IS SET TO ASK QUESTIONS (D290=0):~~**

#@ JR (8/16/21)  
Dropping Number  
Series alt wave  
variable; #48840

~~{D290 = (A504\_CurrWaveNdx - 5) MOD 2} = 0};~~

~~I.e., When subtracting the Indices (per A504) for Beginning Wave (Index XX1 for YrXXXX) from Current Wave (Index 8 for 2006), and the result is divided by the Wave Interval of XX2, the Integer Result leaves No Remainder~~

**~~ALTERNATE WAVE VARIABLE IS NOT SET TO ASK QUESTIONS (D290>0):~~**

~~{D290 = {(A504\_CurrWaveNdx - 5) MOD 2} > 0};~~

~~I.e., Integer Result yields a Remainder~~

**~~\*\* IN 2020 THIS ALTERNATE WAVE VARIABLE IS SET TO ASK QUESTIONS \*\*~~**

\* A variable fieldname and code reference is shown at its first occurrence in the questionnaire, but in some cases, especially when it is common, is not shown after that.

\*\*\*\*\*

D101 BRANCHPOINT: IF THIS IS AN EXIT INTERVIEW (A007=5) or {A LIVING PROXY INTERVIEW (A009={2 or 3}), GO TO D501

D101

Part of this study is concerned with people's memory, and ability to think about things.

First, how would you rate your memory at the present time?

Would you say it is excellent, very good, good, fair or poor?

Part of this study is concerned with people's memory, and ability to think about things.

First, how would you rate your memory at the present time?

1. EXCELLENT
2. VERY GOOD
3. GOOD
4. FAIR
5. POOR
8. DK
9. RF

D102

Compared to [R's LAST IW MONTH (per Z092), YEAR (per Z093)/two years ago], would you say your memory is better now, about the same, or worse now than it was then?

1. BETTER
2. SAME
3. WORSE
8. DK
9. RF

D103

I'll read a set of 10 words and ask you to recall as many as you can. We have purposely made the list long so that it will be difficult for anyone to recall all the words -- most people recall just a few. Please listen carefully as I read the set of words because I cannot repeat them. When I finish, I will ask you to recall aloud as many of the words as you can, in any order. Is this clear?

[INSTR: PROBE AS NEEDED FOR UNDERSTANDING OF TASK. READ THE ITEMS AT A SLOW, STEADY RATE AS THEY COME UP ON THE SCREEN, APPROXIMATELY ONE WORD EVERY TWO SECONDS.]

[INSTR: IF R REFUSES DURING OR AFTER THE PREAMBLE AND BEFORE ANY WORDS ARE READ, ENTER [CTRL-R] AT THIS SCREEN]

Next, we'll display a total of 10 words, one at a time, and ask you to recall as many as you can. We have purposely made the list long so that it will be difficult for anyone to recall all the words -- most people recall just a few. Please pay careful attention as the words are displayed because they will not be repeated. After all of the words have been displayed, I we will ask you to type as many of the words as you can recall, in any order.

[INSTR: PLEASE SELECT "NEXT" WHEN YOU ARE READY TO BEGIN.]

1. CONTINUE
9. RF ..... GO TO D110

D104

LIST 1	LIST 2	LIST 3	LIST 4
1. HOTEL	1. SKY	1. WOMAN	1. WATER
2. RIVER	2. OCEAN	2. ROCK	2. CHURCH
3. TREE	3. FLAG	3. BLOOD	3. DOCTOR
4. SKIN	4. DOLLAR	4. CORNER	4. PALACE
5. GOLD	5. WIFE	5. SHOES	5. FIRE
6. MARKET	6. MACHINE	6. LETTER	6. GARDEN
7. PAPER	7. HOME	7. GIRL	7. SEA
8. CHILD	8. EARTH	8. HOUSE	8. VILLAGE
9. KING	9. COLLEGE	9. VALLEY	9. BABY
10. BOOK	10. BUTTER	10. ENGINE	10. TABLE

*NOTE: ONE OF THESE 4 LISTS IS RANDOMLY ASSIGNED TO EACH R AT VARIABLE X011. EACH R IN A HOUSEHOLD IS ASSIGNED A DIFFERENT LIST. ONLY ASSIGNED WORDS ARE DISPLAYED TO THE IWER, ONE WORD APPEARING AT A TIME. THE IWER READS EACH WORD TO THE R AS IT APPEARS. THE WORDS AUTOMATICALLY ADVANCE EVERY 2 SECONDS, SO THE IWER DOES NOT PRESS [ENTER] TO SHOW THE NEXT WORD. THE NUMERICAL CODES FOR THE WORDS ARE NOT SHOWN ON THE SCREEN.*

*NOTE: ONE OF THESE 4 LISTS IS RANDOMLY ASSIGNED TO EACH R AT VARIABLE X011. EACH R IN A HOUSEHOLD IS ASSIGNED A DIFFERENT LIST. ONLY ASSIGNED WORDS ARE DISPLAYED TO THE IWER, ONE WORD APPEARING PER SCREEN AT A TIME. THE SCREEN AUTOMATICALLY ADVANCES EVERY 2 SECONDS, AND WILL AUTOMATICALLY ADVANCE TO THE NEXT SCREEN AFTER THE LAST WORD IS DISPLAYED*

D106 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D236

D244\_  
D106

Now please tell me the words you can recall.

[INSTR: PERMIT AS MUCH TIME AS R WISHES -- UP TO ABOUT 2 MINUTES]

[INSTR: BEGIN TYPING FIRST LETTER OF WORD. IF R DOES NOT RECALL ANY MORE WORDS, TYPE 'Q' TO QUIT AND PRESS [ENTER].]

*NOTE: THE IWER SEES THE LIST PREVIOUSLY PRESENTED TO THE R, PLUS THE OPTIONS SHOWN BELOW IT. THE NUMERICAL CODES SHOWN HERE FOR THE ITEMS ABOVE ARE NOT SEEN ON THE SCREEN. TO ENTER THE R's RESPONSES, THE IWER TYPES THE FIRST LETTER OF EACH CORRECT WORD THE R GIVES. EVERY TIME THE R SAYS A WORD NOT ON THE LIST, THE IWER SELECTS "X-WRONG WORD" WHICH APPEARS AS "11" IN DATA OUTPUT. IF THE R CANNOT REMEMBER ANY WORDS, THE IWER SELECTS "Y-NONE REMEMBERED" WHICH APPEARS AS "12" FOR THE DATA OUTPUT VARIABLE (D182). THE IWER SELECTS CTRL-R IF THE R AT THIS POINT WILL NOT TRY TO REMEMBER AND "13" APPEARS IN DATA OUTPUT. WHEN THE R FINISHES THE IWER MUST SELECT "QUIT" TO MOVE TO THE NEXT QUESTION. AT THE END OF THE ENTRIES A CALCULATION IS MADE OF THE NUMBER OF WORDS THAT WERE REMEMBERED CORRECTLY (D174=# GOOD), THE NUMBER OF WRONG WORDS SAID (D175=# WRONG), THE NUMBER FORGOTTEN [D176=# FORGOTTEN (=TOTAL WORDS - # GOOD)].*

LIST 1	LIST 2	LIST 3	LIST 4
1. HOTEL	1. SKY	1. WOMAN	1. WATER
2. RIVER	2. OCEAN	2. ROCK	2. CHURCH
3. TREE	3. FLAG	3. BLOOD	3. DOCTOR
4. SKIN	4. DOLLAR	4. CORNER	4. PALACE
5. GOLD	5. WIFE	5. SHOES	5. FIRE
6. MARKET	6. MACHINE	6. LETTER	6. GARDEN
7. PAPER	7. HOME	7. GIRL	7. SEA
8. CHILD	8. EARTH	8. HOUSE	8. VILLAGE
9. KING	9. COLLEGE	9. VALLEY	9. BABY
10. BOOK	10. BUTTER	10. ENGINE	10. TABLE

11. X-WRONG WORD	12. Y-NONE REMEMBERED	13. CTRL-R	QUIT
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D236 BRANCHPOINT: GO TO D108

D236\_  
D106

Now please type the words you can recall in the box below, separating each word with a space.

*NOTE: THE R SEES A LARGE TEXT BOX AND WILL BE ASKED TO TYPE IN EACH WORD THEY REMEMBER, SEPERATED BY SPACES, FROM THE PREVIOUSLY DISPLAYED LIST. IF THEY DO NOT TYPE ANY WORDS, WE WILL TREAT THIS AS A REFUSAL AND THEY WILL NOT BE PRESENTED THE DELAYED RECALL.*

D108 BRANCHPOINT: GO TO D110

D108

[INSTR: PLEASE INDICATE WHETHER ANY OF THE FOLLOWING PROBLEMS OCCURRED IN RELATION TO WORD RECALL.]

[INSTR: SELECT ALL THAT APPLY]

#@ JR (9/14/21)  
adding new code  
and revised rules  
for acceptable  
combinations;  
#48940

1. R HAD DIFFICULTY HEARING ANY OF THE WORDS
2. INTERRUPTION OCCURRED WHILE YOU WERE READING LIST
3. OTHER PROBLEM (PLEASE SPECIFY) D109 \_\_\_\_\_
4. NO PROBLEMS OCCURRED
5. R RECEIVED SOME HELP
8. DK
9. RF

*NOTE: THE IWER MAY CHOOSE ANY COMBINATION OF SELECTIONS 1, 2 ~~AND~~ 3, ~~AND~~ 5, OR CODE 4, 8 OR 9 SINGLY.*

D110

IF THIS IS QUESTION D110:

Now think about the past week and the feelings you have experienced. Please tell me if each of the following was true for you much of the time during the past week.

IF THIS IS ONE OF QUESTIONS D111 – D117:

(Now think about the past week and the feelings you have experienced. Please tell me if each of the following was true for you much of the time during the past week.)

Much of the time during the past week, you felt depressed.  
Would you say yes or no?

*NOTE: QUESTIONS D110-D113 ARE GROUPED ON THE SAME SCREEN.*

IF THIS IS QUESTION D110-D113:

Now think about the past week and the feelings you have experienced. Please tell us if each of the following was true for you much of the time during the past week.

Much of the time during the past week...

IF THIS IS ONE OF QUESTIONS D114 – D117:

Please tell us if each of the following was true for you much of the time during the past week.

Much of the time during the past week...

You felt depressed.

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D111

Much of the time during the past week,  
You felt that everything you did was an effort.  
(Would you say yes or no?)  
You felt that everything you did was an effort.

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D112

(Much of the time during the past week...)  
Your sleep was restless.  
(Would you say yes or no?)  
Your sleep was restless.

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D113

(Much of the time during the past week...)  
You were happy.  
(Would you say yes or no?)  
You were happy.



- 1. YES
- 5. NO
- 8. DK
- 9. RF

D114

(Much of the time during the past week...)

You felt lonely.

(Would you say yes or no?)

*NOTE: QUESTIONS D114-D117 ARE GROUPED ON THE SAME SCREEN.*

*You felt lonely.*

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D115

(Much of the time during the past week...)

You enjoyed life.

(Would you say yes or no?)

*You enjoyed life.*

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D116

(Much of the time during the past week...)

You felt sad.

(Would you say yes or no?)

*You felt sad.*

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D117

(Much of the time during the past week...)

You could not get going.

(Would you say yes or no?)

*You could not get going.*

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D120 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D142

D120

For this next question, please try to count backward as quickly as you can from the number I will give you. I will tell you when to stop.

#@ JR (2/18/22)  
revise instruction;  
#49588  
#@ JR (8/23/21)  
revise text; #47961

[INSTR: ALLOW R TO START OVER IF S/HE WISHES TO DO SO]

[INSTR: ~~PRESS [ENTER]~~ SELECT '1' TO CONTINUE AS SOON AS YOU READ ~~THE~~  
~~NUMBER~~ WORD "NOW!"]

Please start with: 20, now!

1. CONTINUE

8. DK ..... GO TO D142

9. RF ..... GO TO D142

D122

[INSTR: ~~PRESS [ENTER]~~ SELECT '1' TO CONTINUE AS SOON AS R HAS COUNTED 10  
NUMBERS, OR STOPS, OR ASKS TO START OVER]

#@ JR (2/18/22)  
revise instruction;  
#49588

[INSTR: CORRECT RESPONSES INCLUDE COUNTING DOWN FROM 19 TO 10 OR  
FROM 20 TO 11]

1. CONTINUE

8. DK

9. RF

D124

You may stop now. Thank you.

[INSTR: CODE CORRECT IF R COUNTED BACKWARDS FROM 19 TO 10 OR FROM 20  
TO  
11 WITHOUT ERROR]

[INSTR: USE [CTRL-R] IF R REFUSED TO TRY THE TASK]

[INSTR: ALLOW R TO START OVER IF S/HE WISHES TO DO SO]

1. CORRECT ..... GO TO D142

5. INCORRECT ..... GO TO D142

6. WANTS TO START OVER

9. RF ..... GO TO D142

*NOTE: THE IWER MUST SELECT ONE OF THE ABOVE CHOICES. "DON'T KNOW/DK"  
IS NOT ACCEPTABLE.*

D125

Let's try again.

#@ JR (2/18/22)  
revise instruction;  
#49588

[INSTR: ~~PRESS [ENTER]~~ SELECT '1' AS SOON AS YOU READ THE NUMBER]

The number to count backward from is: 20

- 1. CONTINUE
- 8. DK
- 9. RF

D127

[INSTR: ~~PRESS [ENTER]~~ SELECT '1' AS SOON AS R HAS COUNTED 10 NUMBERS OR STOPS]

#@ JR (2/18/22)  
revise instruction;  
#49588

[INSTR: CORRECT RESPONSES INCLUDE COUNTING DOWN FROM 19 TO 10 OR FROM 20 TO 11]

- 1. CONTINUE
- 8. DK
- 9. RF

D129

You may stop now. Thank you.

[INSTR: CODE CORRECT IF R COUNTED BACKWARDS FROM 19 TO 10 OR FROM 20 TO 11 WITHOUT ERROR]

[INSTR: USE [CTRL-R] IF R REFUSED TO TRY THE TASK]

- 1. CORRECT
- 5. INCORRECT
- 9. RF

*NOTE: THE IWER MUST SELECT ONE OF THE ABOVE CHOICES. "DON'T KNOW/DK" IS NOT ACCEPTABLE.*

D142

Now let's try some subtraction of numbers.

One hundred minus 7 equals what?

[INSTR: IF R ADDS 7 INSTEAD, YOU MAY REPEAT QUESTION]

Now let's try some subtraction of numbers.

One hundred minus 7 equals what?

ANSWER \_\_\_\_\_

DK ..... GO TO D148 BRANCHPOINT

RF ..... GO TO D148 BRANCHPOINT

ANSWER \_\_\_\_\_

DK ..... GO TO D237

RF ..... GO TO D237

D143

And 7 from that?

[INSTR: THIS IS THE SECOND SUBTRACTION]

ANSWER \_\_\_\_\_

DK ..... GO TO D189

RF ..... GO TO D189

ANSWER \_\_\_\_\_

DK ..... GO TO D237

RF ..... GO TO D237

D144

And 7 from that?

[INSTR: THIS IS THE THIRD SUBTRACTION]

ANSWER \_\_\_\_\_

DK ..... GO TO D189

RF ..... GO TO D189

ANSWER \_\_\_\_\_

DK ..... GO TO D237

RF ..... GO TO D237

D145

And 7 from that?

[INSTR: THIS IS THE FOURTH SUBTRACTION]

ANSWER \_\_\_\_\_

DK ..... GO TO D189

RF ..... GO TO D189

ANSWER \_\_\_\_\_

DK ..... GO TO D237

RF ..... GO TO D237

D146

And 7 from that?

[INSTR: THIS IS THE FIFTH SUBTRACTION]

ANSWER\_\_\_\_\_

DK

RF

D189 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D237

D189

[INSTR: PLEASE INDICATE WHETHER THE R USED PAPER AND PEN/PENCIL OR ANY OTHER AIDS WHEN COMPLETING THE NUMBER SUBTRACTION.]

#@ JR (9/14/21)  
adding new code;  
#48940

[INSTR: CHOOSE THE MOST APPROPRIATE ANSWER]

1. R DEFINITELY USED AID
2. SUSPECT THAT R USED AID, BUT NOT CERTAIN
3. NO REASON TO THINK R USED AID
4. R RECEIVED SOME HELP
8. DK
9. RF

D237 BRANCHPOINT: IF THIS IS A CAPI INTERVIEW, GO TO D148 BRANCHPOINT

D237

The next two tests are meant to test for speed.

Please click inside each box below as quickly as you can. When you are finished, select 'Next' to continue.


D238

Next, we would like you to type the sentence below as quickly as you can. When you are ready, please begin typing in the box, then select 'Next' when you are finished.

The quick brown fox jumps over the lazy dog

\_\_\_\_\_

D148 BRANCHPOINT: IF R REFUSED WORD LISTS ({D103=9) or {D182=13, EQUIVALENT TO D106=13}) or R DID NOT REMEMBER ANY WORDS (D182=12, EQUIVALENT TO D106=12), GO TO D150 **BRANCHPOINT**

IF THIS IS A CAWI INTERVIEW, GO TO D239

#@SS (12/9/21)  
Modified skip to  
D150 BP instead of  
D150; #49372

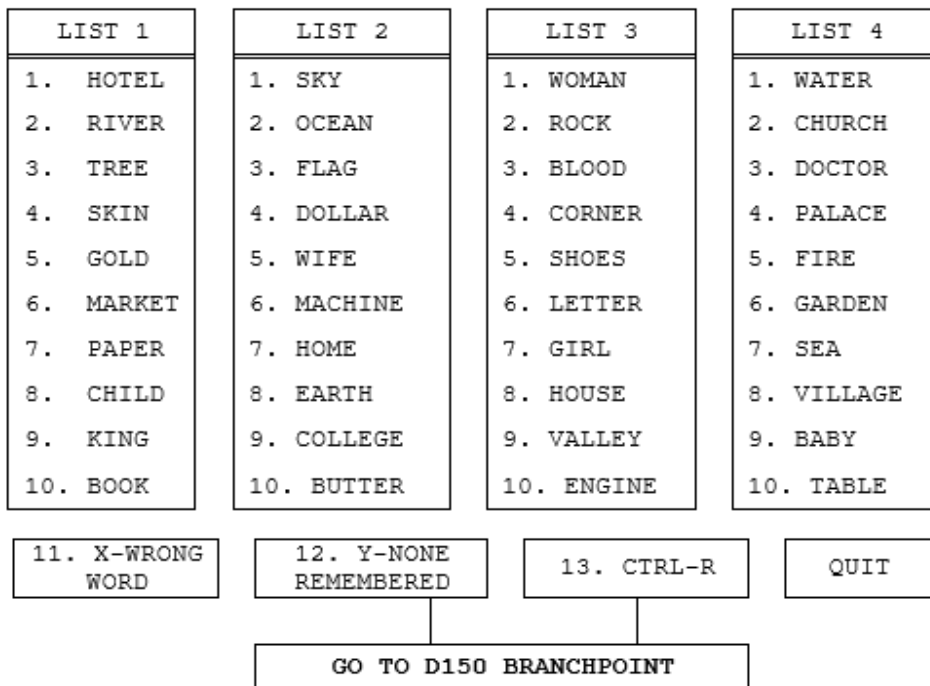
D243\_  
D148

A little while ago, I read you a list of words and you repeated the ones you could remember. Please tell me any of the words that you remember now.

[INSTR: PERMIT AS MUCH TIME AS R WISHES -- UP TO 2 MINUTES]

[INSTR: BEGIN TYPING FIRST LETTER OF WORD. IF R DOES NOT RECALL ANY MORE WORDS, TYPE 'Q' TO QUIT AND PRESS [ENTER].]

*NOTE: THE IWER AGAIN SEES THE LIST PREVIOUSLY PRESENTED TO THE R, PLUS THE OPTIONS SHOWN BELOW IT. THE NUMERICAL CODES SHOWN HERE FOR THE ITEMS ABOVE ARE NOT SEEN ON THE SCREEN. TO ENTER THE R's RESPONSES, THE IWER TYPES THE FIRST LETTER OF EACH CORRECT WORD THE R GIVES. EVERY TIME THE R SAYS A WORD NOT ON THE LIST, THE IWER SELECTS "X-WRONG WORD" WHICH APPEARS AS "11" IN DATA OUTPUT. IF THE R CANNOT REMEMBER ANY WORDS, THE IWER SELECTS "Y-NONE REMEMBERED" WHICH APPEARS AS "12" FOR THE DATA OUTPUT VARIABLE (D183). THE IWER SELECTS CTRL-R IF THE R AT THIS POINT WILL NOT TRY TO REMEMBER AND "13" APPEARS IN DATA OUTPUT. WHEN THE R FINISHES THE IWER MUST SELECT "QUIT" TO MOVE TO THE NEXT QUESTION. AT THE END OF THE ENTRIES A CALCULATION IS MADE OF THE NUMBER OF WORDS THAT WERE REMEMBERED CORRECTLY (D184=# GOOD), THE NUMBER OF WRONG WORDS SAID (D185=# WRONG), THE NUMBER FORGOTTEN [D186=# FORGOTTEN (=TOTAL WORDS - # GOOD)].*



D239 BRANCHPOINT: IF CAPI INTERVIEW, GO TO D191 BRANCHPOINT

D239\_  
D148

A little while ago, we displayed a list of words and you typed the ones you could remember. Please type any of the words that you still remember now, separating each word with a space.

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D191 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D178 BRANCHPOINT

IF NONE REMEMBERED (D148=12) or REFUSED (D148=13), GO TO D150 BRANCHPOINT

D191

INSTR: PLEASE INDICATE WHETHER THE R WROTE DOWN ANY OF THE WORDS OR USED SOME KIND OF AID TO RECALL THE WORDS IN THE LIST SINCE THE FIRST (IMMEDIATE RECALL) PORTION OF THE TEST.

[INSTR: ~~CHOOSE~~ SELECT THE MOST APPROPRIATE ANSWER]

#@ SS (10/5/21):  
Change "choose"  
to "select"  
DEV#49024

#@ JR (9/14/21)  
adding new code;  
#48940

1. R DEFINITELY USED AID
2. SUSPECT THAT R USED AID, BUT NOT CERTAIN
3. NO REASON TO THINK R USED AID
4. R RECEIVED SOME HELP
8. DK
9. RF

D150 BRANCHPOINT: IF CAWI, GO TO D239 BRANCHPOINT

#@SS (12/9/21):  
Added skip for  
CAWI Rs; #49372

IF R's CURRENT AGE IS LESS THAN 65 YEARS OLD (A019<65) and THIS IS A  
REINTERVIEW R (Z076=1), GO TO D159 BRANCHPOINT

D150

We're interested in how memory actually works. We find that even people with very good memories seem to forget some things from time to time. The next questions are a little different, but are often asked on studies about memory.

[INSTR: DO NOT PROBE DK/RF IN SECTION D (COGNITION)]

1. CONTINUE
8. DK
9. RF

D151

Please tell me today's date.

[INSTR: PROBE MONTH, DAY, YEAR, DAY OF WEEK]

THE DATE IS: MONTH/DAY/YEAR  
THE DAY IS: DAY OF WEEK

*NOTE: THE DATE AND DAY OF WEEK ARE DISPLAYED FOR THE INSTR TO COMPARE WITH R's RESPONSES.*

MONTH:

1. MONTH OK
5. MONTH NOT OK
8. DK
9. RF

D152

DAY:

1. DAY OF MONTH OK
5. DAY OF MONTH NOT OK
8. DK
9. RF

D153



YEAR:

- 1. YEAR OK
- 5. YEAR NOT OK
- 8. DK
- 9. RF

D154

(What is the day of the week?)

DAY OF WEEK:

- 1. DAY OK
- 5. DAY NOT OK
- 8. DK
- 9. RF

D155

Now I'm going to ask you for the names of some people and things.

What do people usually use to cut paper?

- 1. SCISSORS OR SHEARS ONLY
- 5. NOT CORRECT
- 8. DK
- 9. RF

D156

What do you call the kind of prickly plant that grows in the desert?

- 1. CACTUS OR NAME OF KIND OF CACTUS
- 5. NOT CORRECT
- 8. DK
- 9. RF

D157

Who is the President of the United States right now?

[IWER: ANSWER IS BIDEN]

[INSTR: PROBE FOR LAST NAME]

- 1. LAST NAME CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D158

Who is the Vice President?

[IWER: ANSWER IS HARRIS]

[INSTR: PROBE FOR LAST NAME]

1. LAST NAME CORRECT
5. NOT CORRECT
8. DK
9. RF

D354

[INSTR: PLEASE INDICATE WHETHER THE R USED ANY AIDS WHEN COMPLETING THE MEMORY TEST.]

#@ JR (9/14/21)  
adding new  
question; #48940

[INSTR: CHOOSE THE MOST APPROPRIATE ANSWER]

1. R DEFINITELY USED AID
2. SUSPECT THAT R USED AID, BUT NOT CERTAIN
3. NO REASON TO THINK R USED AID
4. R RECEIVED SOME HELP
8. DK
9. RF

D159 BRANCHPOINT: IF THIS IS A REINTERVIEW R, GO TO D178 BRANCHPOINT

D159

Now please tell me the meanings of some words I will read to you. Any way you want to define the word is fine.

1. CONTINUE

*NOTE: '1. CONTINUE' IS THE ONLY ACCEPTABLE RESPONSE.*

*NOTE: SURVEYCRAFT RANDOMLY ASSIGNS TO EACH R (AT X012) VOCABULARY LIST*

*1 (1ST WORD OF EACH PAIR) or LIST 2 (2ND WORD) IN QUESTIONS D161 – D169. Rs IN SAME HH ARE ASSIGNED DIFFERENT LISTS.*

D161

What is the meaning of the word:

[REPAIR/CONCEAL]

[INSTR: IF R DOESN'T KNOW THE ANSWER, TYPE 'DK'. IF R REFUSES TO ANSWER, TYPE 'RF'.]

MEANING\_\_\_\_\_

- DK
- RF

D163

(What is the meaning of) the word:

[FABRIC/ENORMOUS]

[INSTR: IF R DOESN'T KNOW THE ANSWER, TYPE 'DK'. IF R REFUSES TO ANSWER, TYPE 'RF'.]

MEANING \_\_\_\_\_

DK

RF

D165

(What is the meaning of) the word:

[DOMESTIC/PERIMETER]

[INSTR: IF R DOESN'T KNOW THE ANSWER, TYPE 'DK'. IF R REFUSES TO ANSWER, TYPE 'RF'.]

MEANING \_\_\_\_\_

DK

RF

D167

(What is the meaning of) the word:

[REMORSE/COMPASSION]

[INSTR: IF R DOESN'T KNOW THE ANSWER, TYPE 'DK'. IF R REFUSES TO ANSWER, TYPE 'RF'.]

MEANING \_\_\_\_\_

DK

RF

D169

(What is the meaning of) the word:

[PLAGIARIZE/AUDACIOUS]

[INSTR: IF R DOESN'T KNOW THE ANSWER, TYPE 'DK'. IF R REFUSES TO ANSWER, TYPE 'RF'.]

MEANING \_\_\_\_\_

DK

RF

D355

[INSTR: PLEASE INDICATE WHETHER THE R USED ANY AIDS WHEN COMPLETING THE VOCABULARY TEST.]

#@ JR (9/14/21)  
adding new  
question; #48940

[INSTR: CHOOSE THE MOST APPROPRIATE ANSWER]

1. R DEFINITELY USED AID
2. SUSPECT THAT R USED AID, BUT NOT CERTAIN
3. NO REASON TO THINK R USED AID
4. R RECEIVED SOME HELP
8. DK
9. RF

-----  
For D161 - D169:

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D178 BRANCHPOINT: IF THIS IS A REINTERVIEW R and ALTERNATE WAVE FLAG IS NOT SET TO ASK QUESTIONS (D190>0), GO TO D194 BRANCHPOINT

*NOTE: QUESTIONS D178 THROUGH D180 (Tag#=D169.3) ARE ALWAYS ASKED OF NEW INTERVIEW Rs. THEY ARE ASKED OF CORE REINTERVIEW Rs ONLY IN ALTERNATE WAVES. THEY WILL BE ASKED OF REINTERVIEW Rs IN 2022 AND AGAIN IN 2026 BUT WILL ~~NOT~~ BE ASKED IN 2020 2022 .*

D178  
(Tag#=  
D169.1)

Next we would like to ask you some questions which assess how people use numbers in everyday life.

If the chance of getting a disease is 10 percent, how many people out of 1,000 would be expected to get the disease?

[INSTR: ENTER RESPONSE IN WHOLE NUMBERS]

Next we would like to ask you some questions which assess how people use numbers in everyday life.

If the chance of getting a disease is 10 percent, how many people out of 1,000 would be expected to get the disease?

NUMBER OF PEOPLE \_\_\_\_\_

DK

RF

D179

(Tag#=

D169.2)

If 5 people all have the winning numbers in the lottery and the prize is two million dollars, how much will each of them get?

[INSTR: ENTER AMOUNT IN WHOLE DOLLARS]

If 5 people all have the winning numbers in the lottery and the prize is two million dollars, how much will each of them get?

\$\_\_\_\_\_.00

DK

RF

D180 (Tag#=D169.3) BRANCHPOINT: IF R GAVE INCORRECT ANSWERS {AT D178 (D178 NOT 100) and AT D179 (D179 NOT 400,000)}, CALCULATE TICS SCORE AT D170 AND GO TO ~~D194~~ D356 BRANCHPOINT.

D180

(Tag#=

D169.3)

Let's say you have \$200 in a savings account. The account earns 10 percent interest per year. How much would you have in the account at the end of two years.

[INSTR: ENTER AMOUNT IN WHOLE DOLLARS]

Let's say you have \$200 in a savings account. The account earns 10 percent interest per year. How much would you have in the account at the end of two years.

\$\_\_\_\_\_.00

DK

RF

D356 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D200 BRANCHPOINT

D356

[INSTR: PLEASE INDICATE WHETHER THE R USED ANY AIDS WHEN COMPLETING THE NUMBER USE TEST.]

#@ JR (9/14/21)  
adding new  
question; #48940

[INSTR: CHOOSE THE MOST APPROPRIATE ANSWER]

1. R DEFINITELY USED AID
2. SUSPECT THAT R USED AID, BUT NOT CERTAIN
3. NO REASON TO THINK R USED AID
4. R RECEIVED SOME HELP
8. DK
9. RF

\*\*\*\*\*

### RETRIEVAL FLUENCY TEST (D194/D338-D199)

*Source: Adapted from the Woodcock Johnson III Tests of Achievement: Retrieval Fluency © Riverside Publishing. Adapted by McArdle & Woodcock (2009).*

*Retrieval Fluency measures an aspect of long-term retrieval. This test measures fluency of retrieval from stored knowledge.*

D194 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D200 BRANCHPOINT

IF R's CURRENT AGE IS LESS THAN 65 YEARS OLD (A019<65) and THIS IS A REINTERVIEW R (Z076=1), GO TO ~~D200~~ D358 BRANCHPOINT

#@ B&A Only  
JR(6/8/22) revised  
jump; #49794

*NOTE: DON'T KNOW/DK AND REFUSE/RF ARE NOT RECORDED FOR RETRIEVAL FLUENCY TEST (D194-D199).*

D194

Now I want to see how many different animals you can name.

#@ JR (9/8/21)

You will have 60 seconds. When I say, 'Begin', say the animal names as fast as you can.

revise qtext;

#48891

Just a reminder that no one else in the house should chime in with answers.

[INSTR: GET READY TO TIME FOR 60 SECONDS. REPEAT INSTRUCTIONS IF NECESSARY.]

[INSTR: TYPE '1' FOR EVERY CORRECT RESPONSE AS IT IS SAID BY THE R.]

[INSTR: TYPE '2' FOR EVERY INCORRECT RESPONSE AS IT IS SAID BY THE R.]

[INSTR: DO NOT USE [ENTER] UNTIL THE END OF THE TASK COUNT.]

1. CONTINUE

#@ SS (10/28/21)

Added instruction

DEV#48885

D338

INSTR: TYPE '1' FOR EVERY CORRECT RESPONSE AS IT IS SAID BY THE R. TYPE '2' FOR EVERY INCORRECT RESPONSE AS IT IS SAID BY THE R.

[INSTR: DO NOT TYPE ANYTHING OTHER THAN '1' OR '2' AND DO NOT USE [ENTER] UNTIL THE END OF THE TASK COUNT.]

~~[INSTR: DO NOT USE [ENTER] UNTIL THE END OF THE TASK COUNT.]~~

[INSTR: COUNT REPEATED ITEMS AS INCORRECT. COUNT CATEGORIES OF ANIMALS (E.G., DOG), AS WELL AS SPECIFIC TYPES (E.G., COLLIE, TERRIER) AS CORRECT. IF R IS BILINGUAL, COUNT RESPONSE CORRECT IF GIVEN IN ANOTHER LANGUAGE.]

[INSTR: START TIMING AS SOON AS YOU TELL THE R TO BEGIN. IF R HAS NOT MENTIONED ANY ANIMALS FOR ABOUT 10 SECONDS, PROBE: 'Anything else?' IF NO, SELECT [ENTER] TO END TASK COUNT.]

[INSTR: INSTRUCT THE R TO STOP AS SOON AS THE TIMER REACHES 60 SECONDS.]

Are you ready? [INSTR: (PAUSE)] Begin.

---

D196

TOTAL ANIMAL ANSWERS \_\_\_\_\_

*NOTE: THIS IS CALCULATED IN BLAISE BY COUNTING THE TOTAL NUMBER OF TIMES THE IWER TYPES BOTH '1' AND '2' AT D338.*

D198 BRANCHPOINT: IF R DID NOT RESPOND WITH ANY ANIMAL ANSWERS (D196=EMPTY), GO TO ~~D200 BRANCHPOINT~~ D199

D198

NUMBER OF INCORRECT NAMES \_\_\_\_\_

*NOTE: THIS IS CALCULATED IN BLAISE BY COUNTING THE NUMBER OF TIMES THE IWER TYPES '2' AT D338.*

D199

[INSTR: WHAT DID YOU USE TO TIME THIS TASK?]

1. STOP WATCH
2. COMPUTER CLOCK
3. WRIST WATCH
4. WALL CLOCK
5. NOTHING
7. OTHER

D245

[INSTR: PLEASE INDICATE WHETHER ANY PROBLEMS OCCURRED IN RELATION TO ANIMAL NAMING.]

#@ SS (10/5/21)  
Change "choose"  
to "select"  
DEV#49025

[INSTR: ~~CHOOSE~~ SELECT ALL THAT APPLY]

[INSTR: R ENDING BEFORE 60 SECONDS EXPIRED IS NOT A PROBLEM AND NEED NOT BE REPORTED]

#@ JR (9/14/21)  
adding new code  
and revised rules  
for acceptable  
combinations;  
#48940

1. INTERRUPTION DURING 60 SEC RESPONSE PERIOD
2. IWER EXCEEDED 60 SECOND RESPONSE PERIOD
3. TECHNICAL PROBLEM WITH COMPUTER OR TIMING EQUIPMENT
4. R DID NOT UNDERSTAND TASK
5. OTHER (SPECIFY) D246 \_\_\_\_\_
6. NO PROBLEMS OCCURRED
7. R RECEIVED SOME HELP
8. DK
9. RF

*NOTE: THE IWER MAY CHOOSE ANY COMBINATION OF SELECTIONS 1, 2, 3, 4, ~~AND~~ 5, ~~AND~~ 7, OR CODE 6, 8 OR 9 SINGLY.*



D358 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D200 BRANCHPOINT

#@ JR (6/8/22)  
moved BP and  
question; #49794  
#@ JR (11/23/21)  
adding BP; #49307

D358

[INSTR: ENTER CURRENT MODE OF INTERVIEW.]

#@ JR (11/23/21)  
adding new mode  
question; #49307

1. TELEPHONE
2. FACE-TO-FACE

\*\*\*\*\*

### NUMBER SERIES TEST OF QUANTITATIVE REASONING (D200-D242)

Source: Adapted from the Woodcock Johnson III Tests of Achievement: Number Series © Riverside Publishing. Adapted by McArdle & Woodcock (2009).

Number Series measures quantitative reasoning. This ability involves reasoning with concepts that depend upon mathematical relationships. The task requires the Respondent to look at a series of numbers with a number missing from the series. The Respondent must determine the numerical pattern, and then provide the missing number in the series. Each participant is given up to six number series problems to solve.

\* Proprietary test -- For details on the individual test items, users may see Fisher et al., "New Measures of Fluid Intelligence in the HRS", HRS Documentation Report DR-027, at this link: <http://hrsonline.isr.umich.edu/sitedocs/userg/dr-027.pdf>

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D200 BRANCHPOINT: IF THIS IS NOT A SELF INTERVIEW (A009 NOT 1), GO TO D171 (D ASSIST)

#@ JR (12/21/21)  
adding skip  
condition; #49432  
#@ JR (8/16/21)  
dropping alt wave  
reference; #48840

IF CURRENT MODE FACE-TO-FACE (D358=2) and PREFERRED MODE ENHANCED-FTF (X090=3) and NOT IN NURSING HOME (A028 NOT 1) and IWER ADMIN, GO TO D339

IF ALTERNATE WAVE FLAG IS NOT SET TO ASK QUESTIONS (D290>0), GO TO D247\_D300 BRANCHPOINT

NOTE: ~~STARTING IN 2014, WE BEGAN~~ FROM 2014 TO 2020, WE ALTERNATED BETWEEN ADMINISTERING THE VERBAL ANALOGIES TEST FOR ALL RS AND ASKING NUMBER SERIES FOR ALL RS ACROSS WAVES. ~~QUESTIONS D200-THROUGH D242 WERE ASKED IN 2016 AND WILL BE AGAIN IN 2020.~~ STARTING IN 2022, VERBAL ANALOGIES WILL NO LONGER BE ASKED. IN ITS PLACE, ENHANCED FACE TO FACE Rs WILL BE ASKED THE TRAIL MAKING TEST. ALL OTHERS WILL BE ASKED THE NUMBER SERIES.

#@ JR (8/16/21)  
revised note;  
#48840, #49432

D200\_  
D400

Next I'm going to read you several numbers and I'd like you to write them down **from left to right**.

#@ JR (11/24/21)  
revised CAWI  
jump; #49315  
#@ JR (11/23/21)  
revised CAWI text;  
#49313

[INSTR: MAKE SURE R HAS PENCIL AND PAPER READY FOR WRITING DOWN THE NUMBERS. REPEAT INSTRUCTIONS FOR THE R IF NECESSARY. ALLOW ENOUGH TIME WHEN READING NUMBERS FOR R TO WRITE DOWN SEQUENCE.]

There will be a blank number in the series that I read to you. Draw a dash or short blank line when I say "blank." Then look at the pattern of numbers. Based on this pattern, tell me what number goes in the blank. Sometimes the blank will be at the end of the series, and sometimes the blank will be in the beginning or in the middle.

For example, if I said the numbers '1. . . 2. . . BLANK. . .4' then what number would go in the blank? CORRECT RESPONSE: 3

[INSTR: IF R DOES NOT GIVE THE CORRECT RESPONSE (3) THEN SAY: The answer we were looking for is 3. (PROBE IF NEEDED TO CHECK THAT THE RESPONDENT UNDERSTANDS THE TASK, BY ASKING: Do you understand the directions for this task?)]

[INSTR: IF THE RESPONDENT SAYS HE OR SHE DOES NOT KNOW THE ANSWER, RECORD CTRL-D. DO NOT RECORD A "DON'T KNOW" RESPONSE AS "R DOESN'T UNDERSTAND INSTRUCTIONS."]

In this task, on each screen you will be presented with several numbers that make up a series. There will be one or more empty boxes somewhere in the series. Sometimes the empty boxes will be at the end of the series, and sometimes they will be in the **beginning or in** the middle. Please look at the pattern of numbers and enter the number that goes in each empty box.

For example:

Please enter the number that belongs in the empty box.

1 2 \_ 4

1. CORRECT
5. INCORRECT
6. R DOESN'T UNDERSTAND INSTRUCTIONS
7. R CAN'T WRITE/NO PAPER/PEN AVAILABLE ..... GO TO ~~D247~~ D172
- BRANCHPOINT
8. DK
9. RF

#@ JR (6/8/22)  
 B&A Only: revised  
 jump; #49794  
 #@ RR (6/8/2022)  
 revised skip  
 destination due to  
 removal of  
 analogies task;  
 #48839

1. CORRECT .....GO TO D440
5. INCORRECT

D400\_ANSWER BRANCHPOINT: ASK IF THIS IS A CAWI  
 ELSE, GO TO D240

D400\_A  
 nswer

The answer we were looking for is 3, so the completed sequence is:

1 2 3 4

1. CONTINUE

D240\_  
 D440

Let's try another one. I'm going to read you a series of numbers. There will be a blank number in the series that I read to you. I would like you to write down the numbers from left to right and then tell me what number goes in the blank based on the pattern of numbers.

2. . . 4. . . 6. . .BLANK

(Now please look at the number you just wrote down and tell me the number that goes in the blank.)

CORRECT RESPONSE: 8

[INSTR: IF THE RESPONDENT SAYS HE OR SHE DOES NOT KNOW THE ANSWER, RECORD CTRL-D. DO NOT RECORD A "DON'T KNOW" RESPONSE AS "R DOESN'T UNDERSTAND INSTRUCTIONS."]

Below is another example.

Please enter the number that belongs in the empty box.

2 4 6 \_

1. CORRECT ..... GO TO D242
5. INCORRECT
6. R DOESN'T UNDERSTAND INSTRUCTIONS
8. DK
9. RF

1. CORRECT ..... GO TO D242  
5. INCORRECT

D241\_  
D441

~~[INSTR:]~~The sequence is 2 4 6 8.

8 is the answer we were looking for because, in this example, the numbers increase by 2.~~]~~

[INSTR: PROBE IF NEEDED TO CHECK THAT THE R UNDERSTANDS THE TASK, BY ASKING: DO YOU UNDERSTAND THE DIRECTIONS FOR THIS TASK?]

The answer we were looking for is 8 because the numbers (2, 4, 6, 8) increase by 2. The completed sequence is:

2 4 6 8

1. CONTINUE
5. R SEEMS CONFUSED OR DOES NOT UNDERSTAND TASK ..... GO TO ~~D247~~ ~~BRANCHPOINT (AFTER D235)~~ D172 BRANCHPOINT
8. DK ..... GO TO ~~D247~~ ~~BRANCHPOINT (AFTER D235)~~ D172 BRANCHPOINT
9. RF ..... GO TO ~~D247~~ ~~BRANCHPOINT (AFTER D235)~~ D172 BRANCHPOINT

1. CONTINUE

D242

#@ SS (10/5/21)  
Removed the INSTR and brackets because the first portion of this should be qtext only. DEV#49023

#@ JR (6/8/22)  
B&A Only: revised jump; #49794  
#@SS (12/9/21):  
Modified skip to D358 BP due to verbal analogies being removed  
DEV#49374

I am now going to ask you six more questions like the one you just did.  
Sometimes the blank will be at the end of the series, and sometimes it may be at the beginning or in the middle. You may be asked a question with more than one blank in the sequence. The numbers might increase, like 2, 4, 6, or decrease, like 6, 4, 2. Some of the problems may be easy but others may be hard. Just do the best you can. It is more important to answer the item correctly than to answer quickly, so take a little time to think before answering. It is okay if you do not know the answer because some of the items are intended to be **very difficult**. You can go on to the next item at any time. Are you ready to begin?

#@ JR (11/23/21)  
revised CAWI text;  
#49313

[INSTR: MAKE SURE R HAS PENCIL AND PAPER READY FOR WRITING DOWN THE NUMBERS. REPEAT INSTRUCTIONS FOR THE R IF NECESSARY.]

[INSTR: PERMIT AS MUCH TIME AS R WISHES FOR EACH QUESTION. IF THE R HAS NOT GIVEN AN ANSWER AFTER ABOUT A MINUTE, ASK:  
Would you just like to go on to the next question?]

You will now see six more questions like the ones you just did.

Instructions:

- Please enter the number that belongs in each empty box.
- An empty box could be at the end of a series or it could be in the beginning or in the middle.
- You may be asked a question with more than one empty box in the sequence.
- The numbers might increase, like 2, 4, 6, or decrease, like 6, 4, 2.
- Some of the problems may be easy but others may be hard. Just do the best you can.
- It is more important to answer the item correctly than to answer quickly, so take a little time to think before answering.
- In a few cases, more than one number may be correct. Please give only one answer per box. If your answer is one of the correct answers, you will receive credit.
- You can go on to the next item at any time by clicking "Next."

1. CONTINUE

8. DK ..... GO TO ~~D247~~ D172 BRANCHPOINT

9. RF ..... GO TO ~~D247~~ D172 BRANCHPOINT

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

1. CONTINUE

D201 BRANCHPOINT: IF R WAS RANDOMLY SELECTED TO BE ASKED SET 2 OF  
NUMBER SERIES QUESTIONS (X525=2), GO TO D221

D201\_  
D401

NUMBER SERIES ITEM G1

[IWER: IF THE RESPONDENT SAYS HE OR SHE DOES NOT KNOW THE ANSWER,  
RECORD CTRL-D. DO NOT RECORD A "DON'T KNOW" RESPONSE AS "UNABLE TO  
DO."]

NUMBER SERIES ITEM G1

- 1. CORRECT
- 5. NOT CORRECT
- 7. R UNABLE TO DO ..... GO TO ~~D247~~ D172 BRANCHPOINT
- 8. DK
- 9. RF

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D202\_  
D402

NUMBER SERIES ITEM H1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D203\_  
D403

NUMBER SERIES ITEM I1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D216

COUNT SCORE FOR NUMBER CORRECT  
(SUM OF NUMBER CORRECT {D201+D202+D203})

NUMBER OF ITEMS CORRECT \_\_\_\_\_

D217

COUNT SCORE FOR NUMBER REFUSED  
(SUM OF NUMBER REFUSED {D201+D202+D203})

NUMBER OF ITEMS REFUSED \_\_\_\_\_

D204 BRANCHPOINT: IF R REFUSED ALL OF THE FIRST THREE NUMBER SERIES  
ITEMS (D217=3), GO TO ~~D247~~ D172 BRANCHPOINT

IF R ANSWERED NONE OF THE NUMBER SERIES ITEMS CORRECTLY (D216=0),  
CONTINUE ON TO D204

IF R ANSWERED ONE NUMBER SERIES QUESTION CORRECTLY (SUM OF  
{D201+D202+D203}=1)(D216=1), GO TO D207

IF R ANSWERED TWO NUMBER SERIES QUESTIONS CORRECTLY (D216=2), GO TO  
D210

IF R ANSWERED THREE NUMBER SERIES QUESTIONS CORRECTLY (D216=3), GO TO  
D213

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

D204\_  
D404

NUMBER SERIES ITEM A1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D205\_  
D405

NUMBER SERIES ITEM B1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D206\_  
D406

NUMBER SERIES ITEM C1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D207 BRANCHPOINT: GO TO ~~D247-D172~~ D357 BRANCHPOINT (AFTER D235)

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794,  
#48940

D207\_  
D407

NUMBER SERIES ITEM D1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D208\_  
D408

NUMBER SERIES ITEM E1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D209\_  
D409

NUMBER SERIES ITEM F1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D210 BRANCHPOINT: GO TO ~~D247-D172~~ D357 BRANCHPOINT (AFTER D235)

#@ JR (6/8/22)  
B&A Only: revised  
jump;  
#49794,#48940  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

D210\_  
D410



NUMBER SERIES ITEM J1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D211\_  
D411

NUMBER SERIES ITEM K1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D212\_  
D412

NUMBER SERIES ITEM L1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D213 BRANCHPOINT: GO TO ~~D247-D172~~ D357 BRANCHPOINT (AFTER D235)

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794,  
#48940  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

D213\_  
D413

NUMBER SERIES ITEM M1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D214\_  
D414

NUMBER SERIES ITEM N1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D215\_  
D415

NUMBER SERIES ITEM O1

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D221 BRANCHPOINT: GO TO ~~D247~~ ~~D172~~ D357 BRANCHPOINT (AFTER D235)

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794,  
#48940  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

D221\_  
D421

NUMBER SERIES ITEM G2

- 1. CORRECT
- 5. NOT CORRECT
- 7. R UNABLE TO DO ..... GO TO ~~D247~~ ~~D172~~ BRANCHPOINT
- 8. DK
- 9. RF

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D222\_  
D422

NUMBER SERIES ITEM H2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D223\_  
D423

NUMBER SERIES ITEM I2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D216

COUNT SCORE FOR NUMBER CORRECT  
(SUM OF NUMBER CORRECT {D221+D222+D223})

NUMBER OF ITEMS CORRECT \_\_\_\_\_

D217

COUNT SCORE FOR NUMBER REFUSED  
(SUM OF NUMBER REFUSED {D221+D222+D223})

NUMBER OF ITEMS REFUSED \_\_\_\_\_

D224 BRANCHPOINT: IF R REFUSED ALL OF THE FIRST THREE NUMBER SERIES ITEMS (D217=3), ~~GO TO D247 BRANCHPOINT~~ GO TO D172 BRANCHPOINT

IF R ANSWERED NONE OF THE NUMBER SERIES ITEMS CORRECTLY (D216=0), CONTINUE ON TO D224

IF R ANSWERED ONE NUMBER SERIES QUESTION CORRECTLY (SUM OF {D221+D222+D223}=1) (D216=1), GO TO D227

IF R ANSWERED TWO NUMBER SERIES QUESTIONS CORRECTLY (D216=2), GO TO D230

IF R ANSWERED THREE NUMBER SERIES QUESTIONS CORRECTLY (D216=3), GO TO D233

#@ JR (6/8/22)  
B&A Only: revised jump; #49794  
#@SS (12/9/21):  
Modified skip to D358 BP due to verbal analogies being removed  
DEV#49374

D224\_  
D424

NUMBER SERIES ITEM A2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D225\_  
D425

NUMBER SERIES ITEM B2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D226\_  
D426

NUMBER SERIES ITEM C2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D227 BRANCHPOINT: GO TO ~~D247-D172~~ D357 BRANCHPOINT (AFTER D235)

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794,  
#48940  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

D227\_  
D427

NUMBER SERIES ITEM D2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D228\_  
D428

NUMBER SERIES ITEM E2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D229\_  
D429

NUMBER SERIES ITEM F2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D230 BRANCHPOINT: GO TO ~~D247~~ ~~D172~~ D357 BRANCHPOINT (AFTER D235)

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794,  
#48940  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

D230\_  
D430

NUMBER SERIES ITEM J2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D231\_  
D431

NUMBER SERIES ITEM K2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D232\_  
D432

NUMBER SERIES ITEM L2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D233 BRANCHPOINT: GO TO ~~D247-D172-D357~~ BRANCHPOINT (AFTER D235)

#@ JR (6/8/22)  
B&A Only: revised  
jump; #49794,  
#48940  
#@ RR (6/8/2022)  
revised skip  
destination due to  
removal of  
analogies task;  
#48839

D233\_  
D433

NUMBER SERIES ITEM M2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D234\_  
D434

NUMBER SERIES ITEM N2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D235\_  
D435

NUMBER SERIES ITEM O2

- 1. CORRECT
- 5. NOT CORRECT
- 8. DK
- 9. RF

D357 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO ~~D358 D172~~  
BRANCHPOINT

#@ RR (6/9/22)  
B&A Only: revised  
jump; #49794

D357

[INSTR: PLEASE INDICATE WHETHER THE R USED ANY AIDS WHEN COMPLETING THE NUMBER SERIES.]

#@ JR (9/14/21)  
adding new  
question; #48940

[INSTR: CHOOSE THE MOST APPROPRIATE ANSWER]

1. R DEFINITELY USED AID
2. SUSPECT THAT R USED AID, BUT NOT CERTAIN
3. NO REASON TO THINK R USED AID
4. R RECEIVED SOME HELP
8. DK
9. RF

\*\*\*\*\*

#@ JR (8/16/21)  
dropping VE test;  
#48839

*\* Proprietary test—For details on the individual test items, users may see Fisher et al., "New Measures of Fluid Intelligence in the HRS", HRS Documentation Report DR-027, at this link: <http://hrsonline.isr.umich.edu/sitedocs/userg/dr-027.pdf>*

{Programmer note—flow comparable to D203–D235}

D247 BRANCHPOINT: IF ALTERNATE WAVE FLAG IS NOT SET TO ASK QUESTIONS (D190>0), GO TO D172 BRANCHPOINT

~~NOTE: STARTING IN 2014, WE BEGAN ALTERNATING BETWEEN ADMINISTERING THE VERBAL ANALOGIES TEST FOR ALL RS AND ASKING NUMBER SERIES FOR ALL RS ACROSS WAVES. QUESTIONS D247 THROUGH D284 WERE ASKED OF REINTERVIEW RS IN 2018 AND WILL BE ASKED AGAIN IN 2022 BUT NOT IN 2020.~~

~~D247—  
D300—~~

~~Next I'm going to read you several words and I'd like you to finish what I say by telling me the word that best completes the phrase.~~

~~For example, if I say "Mother is to Daughter as Father is to..." you would say "son." Mother is to Daughter as Father is to Son.~~

~~In this next task, you will see several words on each screen, followed by a blank box. Please type the word that best completes the phrase. You may enter answers in uppercase or lowercase.~~

~~For example, please type the word that best completes the phrase:~~

~~Mother is to Daughter as Father is to\_\_~~

\_\_\_\_\_

1. CONTINUE

D248 BRANCHPOINT: IF THIS IS A CAPI INTERVIEW, GO TO D249\_D302

D301

Mother is to Daughter as Father is to Son

The correct answer is son.

D249\_

D302

I am now going to read six more statements like the one you just heard. I want you to tell me the word that best completes the phrase. Some of the problems may be easy but others may be hard. Just do the best you can. It is more important to answer the item correctly than to answer quickly, so take a little time to think before answering. It is okay if you do not know the answer because some of the items are intended to be very difficult. You can go on to the next item at any time. Are you ready to begin?

[INSTR: REPEAT INSTRUCTIONS IF NECESSARY. PRESS 'CONTINUE' WHEN R IS READY TO BEGIN.]

Instructions:

- You will now be asked to complete six more phrases like the example you just saw.
- Please enter the word that best completes each phrase.
- Some of the problems may be easy, but others may be hard. Just do the best you can.
- It is more important to answer the item correctly than it is to answer quickly, so take a little time to think before answering.
- In a few cases, more than one word could be correct. If your answer is one of the correct answers, you will receive credit.
- You can go on to the next item at any time by clicking "Next."

If you are ready to begin, please select "Next."

*Data note: "3. Correct, but misspelled" is being used for post-processing purposes in Web to account for typos.*

1. CONTINUE

D250 BRANCHPOINT: IF R WAS RANDOMLY SELECTED TO BE ASKED SET 2 OF VERBAL ANALOGIES QUESTIONS (X526=2), GO TO D270

D250\_

D303



~~VERBAL ANALOGIES ITEM G1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D251\_~~

~~D304~~

~~VERBAL ANALOGIES ITEM H1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D252\_~~

~~D305~~

~~VERBAL ANALOGIES ITEM I1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D265~~

~~COUNT SCORE FOR NUMBER CORRECT AMONG D250, D251, D252~~  
~~— (SUM OF NUMBER CORRECT {D250+D251+D252})~~

~~NUMBER OF ITEMS CORRECT \_\_\_\_\_~~

~~D253 BRANCHPOINT: IF R ANSWERED NONE OF THE FIRST THREE VERBAL ANALOGIES ITEMS CORRECTLY (D265=0), CONTINUE ON TO D253-~~

~~IF R ANSWERED ONE VERBAL ANALOGIES QUESTION CORRECTLY (SUM OF {D250+D251+D252}=1) (D265=1), GO TO D256~~

~~IF R ANSWERED TWO VERBAL ANALOGIES QUESTIONS CORRECTLY (D265=2), GO TO D259~~

~~IF R ANSWERED THREE VERBAL ANALOGIES QUESTIONS CORRECTLY (D265=3), GO TO D262~~

~~D253\_~~

~~D306~~

~~VERBAL ANALOGIES ITEM A1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D254\_~~  
~~D307~~

~~VERBAL ANALOGIES ITEM B1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D255\_~~  
~~D308~~

~~VERBAL ANALOGIES ITEM C1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D256 BRANCHPOINT: GO TO D172 BRANCHPOINT (AFTER D284)~~

~~D256\_~~  
~~D309~~

~~VERBAL ANALOGIES ITEM D1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D257\_~~  
~~D310~~

~~VERBAL ANALOGIES ITEM E1~~

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D258\_~~  
~~D311~~

VERBAL ANALOGIES ITEM F1

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

D259 BRANCHPOINT: GO TO D172 BRANCHPOINT (AFTER D284)

~~D259~~

~~D312~~

VERBAL ANALOGIES ITEM J1

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D260~~

~~D313~~

VERBAL ANALOGIES ITEM K1

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D261~~

~~D314~~

VERBAL ANALOGIES ITEM L1

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

D262 BRANCHPOINT: GO TO D172 BRANCHPOINT (AFTER D284)

~~D262~~

~~D315~~

VERBAL ANALOGIES ITEM M1

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D263\_~~

~~D316~~

~~VERBAL ANALOGIES ITEM N1~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D264\_~~

~~D317~~

~~VERBAL ANALOGIES ITEM O1~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D270 BRANCHPOINT: GO TO D172 BRANCHPOINT (AFTER D284)~~

~~D270\_~~

~~D318~~

~~VERBAL ANALOGIES ITEM G2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D271\_~~

~~D319~~

~~VERBAL ANALOGIES ITEM H2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D272\_~~

~~D320~~

~~VERBAL ANALOGIES ITEM I2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

D285

COUNT SCORE FOR NUMBER CORRECT AMONG D270, D271, D272  
—(SUM OF NUMBER CORRECT {D270+D271+D272})

NUMBER OF ITEMS CORRECT\_\_\_\_\_

~~D273 BRANCHPOINT: IF R ANSWERED NONE OF THE FIRST THREE VERBAL  
ANALOGIES ITEMS CORRECTLY (D285=0), CONTINUE ON TO D273-~~

~~IF R ANSWERED ONE VERBAL ANALOGIES QUESTION CORRECTLY (SUM OF  
{D270+D271+D272}=1)(D285=1), GO TO D276~~

~~IF R ANSWERED TWO VERBAL ANALOGIES QUESTIONS CORRECTLY (D285=2), GO  
TO D279~~

~~IF R ANSWERED THREE VERBAL ANALOGIES QUESTIONS CORRECTLY (D285=3), GO  
TO D282~~

~~D273-~~

~~D321~~

VERBAL ANALOGIES ITEM A2

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D274-~~

~~D322~~

VERBAL ANALOGIES ITEM B2

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D275-~~

~~D323~~

VERBAL ANALOGIES ITEM C2

- ~~1. CORRECT~~
- ~~5. NOT CORRECT~~
- ~~6. INVALID~~
- ~~8. DK~~
- ~~9. RF~~

~~D276 BRANCHPOINT: GO TO D172 BRANCHPOINT (AFTER D284)~~

~~D276\_~~

~~D324~~

~~VERBAL ANALOGIES ITEM D2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D277\_~~

~~D325~~

~~VERBAL ANALOGIES ITEM E2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D278\_~~

~~D326~~

~~VERBAL ANALOGIES ITEM F2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D279 BRANCHPOINT: GO TO D172 BRANCHPOINT (AFTER D284)~~

~~D279\_~~

~~D327~~

~~VERBAL ANALOGIES ITEM J2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D280\_~~

~~D328~~

~~VERBAL ANALOGIES ITEM K2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D281\_~~

~~D329~~

~~VERBAL ANALOGIES ITEM L2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D282 BRANCHPOINT: GO TO D172 BRANCHPOINT (AFTER D284)~~

~~D282\_~~

~~D330~~

~~VERBAL ANALOGIES ITEM M2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D283\_~~

~~D331~~

~~VERBAL ANALOGIES ITEM N2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

~~D284\_~~

~~D332~~

~~VERBAL ANALOGIES ITEM O2~~

~~1. CORRECT~~

~~5. NOT CORRECT~~

~~6. INVALID~~

~~8. DK~~

~~9. RF~~

D339 BRANCHPOINT: IF CURRENT MODE FACE-TO-FACE (D358=2) and  
PREFERRED MODE ENHANCED-FTF (X090=3) and SELF IW (A009=1) and NOT IN  
NURSING HOME (A028 NOT 1) and IWER ADMIN, CONTINUE

OTHERWISE, GO TO D172 BRANCHPOINT

#@ JR (11/23/21)  
adding new ask  
conditions; #49307  
#@ SS (10/5/21)  
Added  
IWERADMIN  
condition  
DEV#48991  
#@ JR (8/30/21)  
add new Trail  
Making Test;  
#48853

D339

The next task involves drawing on paper.

[INSTR: PLACE the SAMPLE side of PART A on the table directly in front of the  
Respondent.]

[INSTR: The bottom of the test sheet should be approximately 6 inches from the  
edge of the table.]

On this page are some numbers. Begin at number 1 [POINT] and draw a line from  
1 to 2 [POINT], 2 to 3 [POINT], 3 to 4 [POINT], and so on, in order, until you reach  
the end [POINT TO CIRCLE MARKED 'END']. Draw the lines as fast as you can,  
without lifting the pencil from the paper. Ready?

[INSTR: ENTER [1] to continue.]

1. CONTINUE

D340



[INSTR: START Timer as soon as you say “Begin”.]

Begin!

[INSTR: IF the Respondent makes a mistake on SAMPLE A, point out the error and explain it.

[INSTR: EXAMPLES on how to explain mistakes the Respondent made:

- “You started with the wrong circle. This is where you start [POINT TO NUMBER 1].”
- “You skipped this circle [POINT TO THE CIRCLE THE RESPONDENT OMITTED]. You should go from number 1 [POINT] to 2 [POINT], 2 to 3 [POINT TO 3], and so on, until you reach the circle marked “end” [POINT].”]

[INSTR: IF the Respondent cannot complete SAMPLE A, take (his/her) hand and guide the pencil, using the eraser end, through the trail. Then say “Now you try it.”]

[INSTR: RETURN the pencil to the Respondent with the point down and say:

Remember, Begin at number 1 [POINT] and draw a line from 1 to 2 [POINT], 2 to 3 [POINT], 3 to 4 [POINT], and so on, in order, until you reach the “end” [POINT]. Do not skip around, but go from one number to the next in the proper order. Remember to work as fast as you can, without lifting the pencil from the paper. Ready? Begin!]

[INSTR: IF the Respondent still has difficulty, repeat the procedure until the task is completed successfully or it becomes evident that he/she cannot do the task.]

[INSTR: END timer as soon as Respondent completes SAMPLE A correctly. RECORD the time in minutes and seconds it took to complete SAMPLE A correctly.]

[INSTR: RECORD minutes below; IF no minute ENTER [0] and RECORD seconds on next screen.]

[INSTR: IF the Respondent is unable to complete SAMPLE A within 5 minutes, CODE 997.]

MINUTES:\_\_\_\_\_

D341 BRANCHPOINT: IF R REFUSES or IS UNABLE TO DO THE TASK (D340=RF or 997), GO TO D351

#@ DM4 JR  
(6/2/22) added  
jump condition;  
#49780

D341

SECONDS:\_\_\_\_\_

#@ JR (2/9/22)  
added instruction;  
#49553

[INSTR: Round seconds to the nearest whole number]

[INSTR: IF no seconds to record, then ENTER [0]]

D342

Good! Let's try the next one.

[INSTR: TURN the paper over and give PART A of the test.]

[INSTR: IF the Respondent makes an error on Part A, point out the error and have them start at the last correct circle.]

[INSTR: REMIND the R to not lift the pencil from the paper if needed.]

On this page are numbers. Do this the same way. Begin at number 1 [POINT TO 1] and draw a line from 1 to 2 [POINT TO 2], 2 to 3 [POINT TO 3], 3 to 4 [POINT TO 4], and so on, in order, until you reach the end [POINT TO CIRCLE MARKED 'END']. Remember to work as fast as you can, without lifting the pencil from the paper. Ready?

[INSTR: ENTER [1] to continue.]

1. CONTINUE

D343

[INSTR: START Timer as soon as you say "Begin".]

Begin!

[INSTR: END timer as soon as Respondent completes PART A correctly.]

[INSTR: RECORD the time in minutes and seconds it took to complete PART A correctly.]

[INSTR: RECORD Minutes below; IF no minute ENTER [0] and RECORD second on next screen.]

[INSTR: IF the Respondent is unable to complete PART A in 5 minutes, CODE 997.]

MINUTES:\_\_\_\_\_

D344 BRANCHPOINT: IF R REFUSES or IS UNABLE TO DO THE TASK (D343=RF or 997), GO TO D351

#@ DM4 JR  
(6/2/22) added  
jump condition;  
#49780

D344

SECONDS:\_\_\_\_\_

#@ JR (2/9/22)  
added instruction;  
#49553

[INSTR: Round seconds to the nearest whole number]

[INSTR: IF no seconds to record, then ENTER [0]]

D345

That's fine. Now we'll try another one.

[INSTR: PLACE the SAMPLE side of PART B on the table directly in front of the Respondent. The bottom of the test sheet should be approximately 6 inches from the edge of the table.]

On this page there are some numbers and letters. Begin at 1 [POINT] and draw a line from 1 to A [POINT TO A], A to 2 [POINT TO 2], 2 to B [POINT TO B], B to 3 [POINT TO 3], 3 to C [POINT TO C], and so on, in order until you reach the end [POINT TO THE CIRCLE MARKED "END"]. THEN SAY "Remember, first you have a number [POINT TO 1], then a letter [POINT TO A], then a number [POINT TO 2], then a letter [POINT TO B], and so on. Draw the lines as fast as you can, without lifting the pencil from the paper. Ready?

[INSTR: ENTER [1] to continue.]

1. CONTINUE

D346

[INSTR: START Timer as soon as you say "Begin".]

Begin!

[INSTR: IF the Respondent makes a mistake on SAMPLE B, point out the error and explain why it is incorrect.]

[INSTR: EXAMPLES on how to explain mistakes the respondent made:

- "You started with the wrong circle. This is where you start [POINT TO NUMBER 1]."
- "You skipped this circle [POINT TO THE CIRCLE THE RESPONDENT OMITTED]. You should go from number 1 [POINT] to A [POINT TO A], A TO 2 [POINT TO 2], 2 to B [POINT TO B], B to 3 [POINT TO 3], and so on, until you reach the circle marked "end" [POINT]."

[INSTR: IF the Respondent cannot complete SAMPLE B, take (his/her) hand and guide the pencil, using the eraser end, through the trail. Then say “Now you try it. Remember, you begin at number 1 [POINT] and draw a line from 1 to A [POINT TO A], A to 2 [POINT TO 2], 2 to B [POINT TO B], B to 3 [POINT TO 3], and so on until you reach the “end” [POINT]. Ready? Begin!]

[INSTR: If the Respondent still has difficulty, repeat the procedure until the task is completed successfully or it becomes evident that he/she cannot do the task.]

[INSTR: END timer as soon as Respondent completes SAMPLE B correctly. RECORD the time in minutes and seconds it took to complete SAMPLE B correctly.]

[INSTR: RECORD minutes below; IF no minute ENTER [0] and RECORD seconds on next screen.]

[INSTR: If the Respondent is unable to complete SAMPLE B in 5 minutes, CODE 997.]

MINUTES: \_\_\_\_\_

D347 BRANCHPOINT: IF R REFUSES or IS UNABLE TO DO THE TASK (D346=RF or 997), GO TO D351

#@ DM4 JR  
(6/2/22) added  
jump condition;  
#49780

D347

SECONDS: \_\_\_\_\_

#@ JR (2/9/22)  
added instruction;  
#49553

[INSTR: Round seconds to the nearest whole number]

[INSTR: IF no seconds to record, then ENTER [0]]

D348

Good! Let's try the next one.

[INSTR: TURN the paper over and give PART B of the test.]

[INSTR: IF the Respondent makes an error on Part B, point out the error and have them start at the last correct circle.]

[INSTR: REMIND the R to not lift the pencil from the paper if needed.]

On this page are both numbers and letters. Do this the same way. Begin at number 1 [POINT TO 1] and draw a line from 1 to A [POINT TO A], A to 2 [POINT TO 2], 2 to B [POINT TO B], B to 3 [POINT to 3], 3 to C [POINT TO C], and so on, in order, until you reach the end [POINT TO THE CIRCLE MARKED "END"].

Remember, first you have a number [POINT to 1], then a letter [POINT TO A], then a number [POINT TO 2], then a letter [POINT to B], and so on. Do not skip around, but go from one circle to the next in the proper order. Draw the lines as fast as you can, without lifting the pencil from the paper. Ready?

[INSTR: ENTER [1] to continue.]

#### 1. CONTINUE

D349

[INSTR: START Timer as soon as you say "Begin".]

Begin!

[INSTR: END timer as soon as Respondent completes PART B correctly.]

[INSTR: RECORD the time in minutes and seconds it took to complete PART B correctly]

[INSTR: RECORD minutes below; IF no minute ENTER [0] and RECORD seconds on next screen.]

[INSTR: If the Respondent is unable to complete PART B in 5 minutes, CODE 997.]

MINUTES: \_\_\_\_\_

D350 BRANCHPOINT: IF R REFUSES or IS UNABLE TO DO THE TASK (D349=RF or 997), GO TO D351

#@ DM4 JR  
(6/2/22) added  
jump condition;  
#49780

D350

SECONDS:\_\_\_\_\_

#@ JR (2/9/22)  
added instruction;  
#49553

[INSTR: Round seconds to the nearest whole number]

[INSTR: IF no seconds to record, then ENTER [0]]

D351

[INSTR: PLEASE INDICATE WHETHER ANY OF THE FOLLOWING PROBLEMS  
OCCURRED IN RELATION TO TRAIL MAKING.]

#@ JR (10/28/21)  
added code 7;  
#49229  
#@ JR (10/21/21)  
added code 6;  
#49002

[INSTR: SELECT ALL THAT APPLY.]

1. UNABLE TO COMPLETE WITHIN 5 MINUTES
2. VISION PROBLEM
3. GRIP PROBLEM
4. HEARING PROBLEM
5. DK/DID NOT UNDERSTAND INSTRUCTIONS
6. NO ISSUES OCCURRED
7. R REFUSED TO COMPLETE THE FORM
9. RF

D352

[INSTR: SCAN the PART A logging ID and write the  
respondent's first name on the ~~cover of the questionnaire~~ top of the form.]

#@ JR (10/28/21)  
revised instruction;  
#49230

\_\_\_\_\_ (STRING: 6 WIDE)

D353

[INSTR: SCAN the PART B logging ID and write the  
respondent's first name on the ~~cover of the questionnaire~~ top of the form.]

#@ JR (10/28/21)  
revised instruction;  
#49230

\_\_\_\_\_ (STRING: 6 WIDE)

*NOTE: D170. TICS SCORE COUNT:*

*A SCORE IS TABULATED BY BLAISE BASED ON RESPONSES TO QUESTIONS D124,  
D129, & D151 THROUGH D158. A SCORE OF 0-10 IS GIVEN BASED ON THE  
NUMBER OF CORRECT ANSWERS AND ELAPSED TIME TO ANSWER. NOTE THAT  
NOT ALL RESPONDENTS ARE ASKED D151 THROUGH 158.*

*SCORES FOR THE RETRIEVAL FLUENCY SERIES (D338-D199) AND THE NUMBER  
SERIES (D200-D235) ARE CALCULATED FOR EACH RESPONDENT LATER DURING  
POST-PROCESSING.*

D172 BRANCHPOINT: IF THIS IS A CAWI INTERVIEW, GO TO D171 (D ASSIST)

IF TICS SCORE IS {GREATER THAN OR EQUAL TO 5} (D170 >= 5) or R's CURRENT AGE IS LESS THAN 65 (A019<65) or THIS IS NOT A SELF IW (A009 NOT 1), GO TO D171 (D ASSIST)

D172

RESPONDENT TICS SCORE IS: TICS SCORE COUNT (D170)

[INSTR: SCORE INDICATES R MAY NEED TO HAVE AN ASSISTANT FOR REMAINDER OF IW]

[INSTR: IF YOU SELECT CODE '5', CONTINUE UNASSISTED, PLEASE EXPLAIN ON NEXT SCREEN]

1. R WILL CONTINUE WITH AN ASSISTANT ..... GO TO D171 (D ASSIST)
5. R WILL CONTINUE UNASSISTED

D173

[INSTR: PLEASE EXPLAIN WHY ASSISTANT IS NOT NEEDED.]

---

*NOTE: IWER MUST ENTER SOMETHING AT THIS SCREEN.*

D171

D ASSIST

[INSTR: HOW OFTEN DID [R's FIRST NAME (per X058)] RECEIVE ASSISTANCE WITH ANSWERS IN SECTION D -- COGNITION?]

Families and friends often help one another in different ways. Part of our research involves finding out how they do that.

[INSTR: SELECT 'CONTINUE' THEN 'NEXT' TO PROCEED.]

1. NEVER
2. A FEW TIMES
3. MOST OR ALL OF THE TIME
4. THE SECTION WAS DONE BY A PROXY REPORTER

1. CONTINUE

D501 BRANCHPOINT: IF THIS IS A SELF INTERVIEW (A009=1), GO TO SECTION E

D501

Part of this study is concerned with people's memory, and ability to think about things.

First, how would you rate R's FIRST NAME's memory at the present time? Would you say it is excellent, very good, good, fair or poor?

Part of this study is concerned with people's memory, and ability to think about things. For the next few questions, I want you to think about R's FIRST NAME as of one month before [his/her] death.

First, how would you rate R's FIRST NAME's memory at that time?

Would you say it was excellent, very good, good, fair or poor?

1. EXCELLENT
2. VERY GOOD
3. GOOD
4. FAIR
5. POOR
8. DK
9. RF

D502 BRANCHPOINT: IF R'S CURRENT AGE IS {65 OR OLDER} (A019 >= 65) or THIS IS AN EXIT INTERVIEW, GO TO D505 BRANCHPOINT

D502

Compared to [R's LAST IW MONTH, YEAR/two years ago], would you say R's FIRST NAME's memory is better now, about the same, or worse now than it was then?

1. BETTER
2. SAME
3. WORSE
- DK
- RF

D505 BRANCHPOINT: IF R's CURRENT AGE IS LESS THAN 65 YEARS OLD (A019<65), GO TO SECTION E

D505

Now we want you to remember what R's FIRST NAME was like two years ago and to compare it with what [he/she] is like now. Two years ago was in {CURRENT IW YEAR – 2}. I will read situations where R's FIRST NAME has to use [his/her] memory or intelligence and we would like you to indicate whether this has improved, stayed the same, or gotten worse in that situation over the past two years.

Note the importance of comparing [his/her] present performance with two years ago. So if two years ago R's FIRST NAME always forgot where [he/she] had left things, and [he/she] still does, then this would be considered 'not much change'.



Now we want you to remember what R's FIRST NAME was like [when we interviewed [him/her] in R's LAST IW MONTH (per Z092), YEAR (per Z093)/two years ago] and to compare it with what [he/she] was like toward the end of [his/her] life, but leaving out the last month or so of [his/her] life. I will read situations where R's FIRST NAME had to use [his/her] memory or intelligence and we would like you to indicate whether this had improved, stayed the same, or gotten worse in that situation over that time period.

Note the importance of comparing [his/her] performance toward the end of [his/her] life with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago]. So if two years ago R's FIRST NAME always forgot where [he/she] had left things, and [he/she] still did, then this would be considered "not much change".

1. CONTINUE

DK

RF

D506

Compared with two years ago, how is R's FIRST NAME at:  
Remembering things about family and friends, such as occupations, birthdays, and addresses.

Has this improved, not much changed, or gotten worse?

Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:

Remembering things about family and friends, such as occupations, birthdays, and addresses.

Had this improved, not much changed, or gotten worse?

1. IMPROVED

2. NOT MUCH CHANGED ..... GO TO D509

3. GOTTEN WORSE ..... GO TO D508

4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D509

8. DK ..... GO TO D509

9. RF ..... GO TO D509

D507

Is it much improved or a bit improved?

Was it much improved or a bit improved?

1. MUCH IMPROVED

2. A BIT IMPROVED

8. DK

9. RF

D508 BRANCHPOINT: GO TO D509

D508

(Is it much worse or a bit worse?)  
(Was it much worse or a bit worse?)

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D509

Compared with two years ago, how is R's FIRST NAME at:  
Remembering things that have happened recently?  
(Has this improved, not much changed, or gotten worse?)  
Compared with [when we interviewed [him/her] in R's LAST IW MONTH,  
YEAR/two years ago], how was R's FIRST NAME at:  
Remembering things that had happened recently?  
(Had this improved, not much changed, or gotten worse?)

- 1. IMPROVED
- 2. NOT MUCH CHANGED ..... GO TO D512
- 3. GOTTEN WORSE ..... GO TO D511
- 4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D512
- 8. DK ..... GO TO D512
- 9. RF ..... GO TO D512

D510

Is it much improved or a bit improved?  
(Was it much improved or a bit improved?)

- 1. MUCH IMPROVED
- 2. A BIT IMPROVED
- 8. DK
- 9. RF

D511 BRANCHPOINT: GO TO D512

D511

Is it much worse or a bit worse?  
(Was it much worse or a bit worse?)

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D512

(Compared with two years ago, how is R's FIRST NAME at:)  
Recalling conversations a few days later?  
(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)  
Recalling conversations a few days later?  
(Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D515
3. GOTTEN WORSE ..... GO TO D514
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D515
8. DK ..... GO TO D515
9. RF ..... GO TO D515

D513

Is it much improved or a bit improved?  
Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D514 BRANCHPOINT: GO TO D515

D514

(Is it much worse or a bit worse?)  
Was it much worse or a bit worse?

4. A BIT WORSE
5. MUCH WORSE
8. DK
9. RF

D515

(Compared with two years ago, how is R's FIRST NAME at:)  
Remembering [his/her] address and telephone number?  
(Has this improved, not much changed, or gotten worse?)  
(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)  
Remembering [his/her] address and telephone number?  
(Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D518
3. GOTTEN WORSE ..... GO TO D517
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D518
8. DK ..... GO TO D518
9. RF ..... GO TO D518

D516

Is it much improved or a bit improved?  
Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D517 BRANCHPOINT: GO TO D518

D517

(Is it much worse or a bit worse?)  
Was it much worse or a bit worse?

4. A BIT WORSE
5. MUCH WORSE
8. DK
9. RF

D518

(Compared with two years ago, how is R's FIRST NAME at:)  
Remembering what day and month it is?  
(Has this improved, not much changed, or gotten worse?)  
(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)  
Remembering what day and month it was?  
(Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D521
3. GOTTEN WORSE ..... GO TO D520
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D521
8. DK ..... GO TO D521
9. RF ..... GO TO D521

D519

Is it much improved or a bit improved?  
Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D520 BRANCHPOINT: GO TO D521

D520

(Is it much worse or a bit worse?)  
Was it much worse or a bit worse?

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D521

(Compared with two years ago, how is R's FIRST NAME at:)  
 Remembering where things are usually kept?  
 (Has this improved, not much changed, or gotten worse?)  
 (Compared with [when we interviewed [him/her] in R's LAST IW MONTH,  
 YEAR/two years ago], how was R's FIRST NAME at:)  
 Remembering where things were usually kept?  
 (Had this improved, not much changed, or gotten worse?)

- 1. IMPROVED
- 2. NOT MUCH CHANGED ..... GO TO D524
- 3. GOTTEN WORSE ..... GO TO D523
- 4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D524
- 8. DK ..... GO TO D524
- 9. RF ..... GO TO D524

D522

Is it much improved or a bit improved?  
 Was it much improved or a bit improved?

- 1. MUCH IMPROVED
- 2. A BIT IMPROVED
- 8. DK
- 9. RF

D523 BRANCHPOINT: GO TO D524

D523

(Is it much worse or a bit worse?)  
 Was it much worse or a bit worse?

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D524

(Compared with two years ago, how is R's FIRST NAME at:)  
 Remembering where to find things which have been put in a different place than  
 usual?  
 (Has this improved, not much changed, or gotten worse?)  
 (Compared with [when we interviewed [him/her] in R's LAST IW MONTH,  
 YEAR/two years ago], how was R's FIRST NAME at:)  
 Remembering where to find things which had been put in a different place than  
 usual?  
 (Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D527
3. GOTTEN WORSE ..... GO TO D526
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D527
8. DK ..... GO TO D527
9. RF ..... GO TO D527

D525

Is it much improved or a bit improved?

Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D526 BRANCHPOINT: GO TO D527

D526

(Is it much worse or a bit worse?)

Was it much worse or a bit worse?

4. A BIT WORSE
5. MUCH WORSE
8. DK
9. RF

D527

(Compared with two years ago, how is R's FIRST NAME at:)

Knowing how to work familiar machines around the house?

(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)

Knowing how to work familiar machines around the house?

(Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D530
3. GOTTEN WORSE ..... GO TO D529
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D530
8. DK ..... GO TO D530
9. RF ..... GO TO D530

D528

Is it much improved or a bit improved?

Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D529 BRANCHPOINT: GO TO D530

D529

(Is it much worse or a bit worse?)  
Was it much worse or a bit worse?

4. A BIT WORSE
5. MUCH WORSE
8. DK
9. RF

D530

(Compared with two years ago, how is R's FIRST NAME at:)  
Learning to use a new gadget or machine around the house?  
(Has this improved, not much changed, or gotten worse?)  
(Compared with [when we interviewed [him/her] in R's LAST IW MONTH,  
YEAR/two years ago], how was R's FIRST NAME at:)  
Learning to use a new gadget or machine around the house?  
(Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D533
3. GOTTEN WORSE ..... GO TO D532
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D533
8. DK ..... GO TO D533
9. RF ..... GO TO D533

D531

Is it much improved or a bit improved?  
Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D532 BRANCHPOINT: GO TO D533

D532

Is it much worse or a bit worse?  
Was it much worse or a bit worse?

4. A BIT WORSE
5. MUCH WORSE
8. DK
9. RF

D533

(Compared with two years ago, how is R's FIRST NAME at:)

Learning new things in general?

(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)

Learning new things in general?

(Had this improved, not much changed, or gotten worse?)

1. IMPROVED

2. NOT MUCH CHANGED ..... GO TO D536

3. GOTTEN WORSE ..... GO TO D535

4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D536

8. DK ..... GO TO D536

9. RF ..... GO TO D536

D534

Is it much improved or a bit improved?

Was it much improved or a bit improved?

1. MUCH IMPROVED

2. A BIT IMPROVED

8. DK

9. RF

D535 BRANCHPOINT: GO TO D536

D535

(Is it much worse or a bit worse?)

Was it much worse or a bit worse?

4. A BIT WORSE

5. MUCH WORSE

8. DK

9. RF

D536

(Compared with two years ago, how is R's FIRST NAME at:)

Following a story in a book or on TV?

(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)

Following a story in a book or on TV?

(Had this improved, not much changed, or gotten worse?)



1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D539
3. GOTTEN WORSE ..... GO TO D538
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D539
8. DK ..... GO TO D539
9. RF ..... GO TO D539

D537

Is it much improved or a bit improved?

Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D538 BRANCHPOINT: GO TO D539

D538

Is it much worse or a bit worse?

Was it much worse or a bit worse?

4. A BIT WORSE
5. MUCH WORSE
8. DK
9. RF

D539

(Compared with two years ago, how is R's FIRST NAME at:)

Making decisions on everyday matters?

(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)

Making decisions on everyday matters?

(Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D542
3. GOTTEN WORSE ..... GO TO D541
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D542
8. DK ..... GO TO D542
9. RF ..... GO TO D542

D540

Is it much improved or a bit improved?

Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D541 BRANCHPOINT: GO TO D542

D541

(Is it much worse or a bit worse?)

Was it much worse or a bit worse?

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D542

(Compared with two years ago, how is R's FIRST NAME at:)

Handling money for shopping?

(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)

Handling money for shopping?

(Had this improved, not much changed, or gotten worse?)

- 1. IMPROVED
- 2. NOT MUCH CHANGED ..... GO TO D545
- 3. GOTTEN WORSE ..... GO TO D544
- 4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D545
- 8. DK ..... GO TO D545
- 9. RF ..... GO TO D545

D543

Is it much improved or a bit improved?

Was it much improved or a bit improved?

- 1. MUCH IMPROVED
- 2. A BIT IMPROVED
- 8. DK
- 9. RF

D544 BRANCHPOINT: GO TO D545

D544

(Is it much worse or a bit worse?)

Was it much worse or a bit worse?

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D545

(Compared with two years ago, how is R's FIRST NAME at:)  
Handling financial matters, that is, [his/her] pension or dealing with the bank?  
(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH,  
YEAR/two years ago], how was R's FIRST NAME at:)  
Handling financial matters, for example, a pension or dealing with the bank?  
(Had this improved, not much changed, or gotten worse?)

- 1. IMPROVED
- 2. NOT MUCH CHANGED ..... GO TO D548
- 3. GOTTEN WORSE ..... GO TO D547
- 4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D548
- 8. DK ..... GO TO D548
- 9. RF ..... GO TO D548

D546

Is it much improved or a bit improved?  
Was it much improved or a bit improved?

- 1. MUCH IMPROVED
- 2. A BIT IMPROVED
- 8. DK
- 9. RF

D547 BRANCHPOINT: GO TO D548

D547

(Is it much worse or a bit worse?)  
Was it much worse or a bit worse?

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D548

(Compared with two years ago, how is R's FIRST NAME at:)  
Handling other everyday arithmetic problems, such as, knowing how much food to buy, knowing how long between visits from family or friends? (Has this improved, not much changed, or gotten worse?)  
(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)  
Handling other everyday arithmetic problems, such as, knowing how much food to buy, knowing how long between visits from family or friends? (Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D551
3. GOTTEN WORSE ..... GO TO D550
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D551
8. DK ..... GO TO D551
9. RF ..... GO TO D551

D549

Is it much improved or a bit improved?

Was it much improved or a bit improved?

1. MUCH IMPROVED
2. A BIT IMPROVED
8. DK
9. RF

D550 BRANCHPOINT: GO TO D551

D550

(Is it much worse or a bit worse?)

Was it much worse or a bit worse?

4. A BIT WORSE
5. MUCH WORSE
8. DK
9. RF

D551

(Compared with two years ago, how is R's FIRST NAME at:)

Using [his/her] intelligence to understand what's going on and to reason things through?

(Has this improved, not much changed, or gotten worse?)

(Compared with [when we interviewed [him/her] in R's LAST IW MONTH, YEAR/two years ago], how was R's FIRST NAME at:)

Using [his/her] intelligence to understand what was going on and to reason things through?

(Had this improved, not much changed, or gotten worse?)

1. IMPROVED
2. NOT MUCH CHANGED ..... GO TO D554
3. GOTTEN WORSE ..... GO TO D553
4. DOES NOT APPLY; R DOESN'T DO ACTIVITY ..... GO TO D554
8. DK ..... GO TO D554
9. RF ..... GO TO D554

D552

Is it much improved or a bit improved?

Was it much improved or a bit improved?

- 1. MUCH IMPROVED
- 2. A BIT IMPROVED
- 8. DK
- 9. RF

D553 BRANCHPOINT: GO TO D554

D553

(Is it much worse or a bit worse?)  
Was it much worse or a bit worse?

- 4. A BIT WORSE
- 5. MUCH WORSE
- 8. DK
- 9. RF

D554

Now, thinking about some current behaviors, does [he/she] ever get lost in a familiar environment?  
Did [he/she] ever get lost in a familiar environment?

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D555

Does [he/she] ever wander off and not return by [himself/ herself]?  
Did [he/she] ever wander off and not return by [himself/ herself]?

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D556

Can [he/she] be left alone for an hour or so?  
[Since R's LAST IW MONTH, YEAR/In the last two years] could [he/she] be left alone for an hour or so?

- 1. YES
- 5. NO
- 8. DK
- 9. RF

D557

Does [he/she] ever see or hear things that are not really there?  
Did R's FIRST NAME ever see or hear things that were not really there?

- 1. YES
- 5. NO
- 8. DK
- 9. RF

**GO TO SECTION E**