

Next, I will ask you to try and do some exercises that involve remembering and making judgments about words and numbers. These tasks are not harmful in any way. If you prefer not to answer any question, just let me know and we will go on to the next question.

Now you will hear some words and numbers. Please do not use a paper and pencil for any of the questions. We suggest that you close your eyes while you are doing these to help you concentrate. Some of the questions will be easy for you, and some will be harder. We do not expect anyone to get all of these correct – just do the best you can.

(If participant seems distracted, or there is noise or commotion in background such as young children, TV or radio, or other people talking, say “It is important that you are able to concentrate without being distracted while we do these exercises. Would it be better for me to call you back another time?” If so, make an appointment for another time.)

Encouraging comments to be used if the person expresses concern about performance:

*During the test: “**Just do the best you can.**”*

*“**Remember, we do not expect anyone to get all of these questions correct.**”*

*“**Don’t worry. We have deliberately made these questions challenging. If people could get them all right, we would not learn anything. We’re trying to find which questions are harder than others.**”*

WORD LIST RECALL

I am going to read a list of 15 words. Listen carefully. When I am finished, you are to repeat as many of the words as you can remember. It doesn't matter in what order you repeat them. Just try to remember as many as you can. I will say each word only one time, and I cannot repeat any words. You will have up to one and a half minutes, and I will not say anything until I tell you that your time is up. Do you have any questions? Are you ready?

(Read with one second interval between each word)

	Word List	Recalled?	Repetitions (tally)	Intrusions (tally)
Total Correct Primacy: _____	DRUM			
	CURTAIN			
	BELL			
	COFFEE			
	SCHOOL			
Total Correct Middle: _____	PARENT			
	MOON			
	GARDEN			
	HAT			
	FARMER			
Total Correct Recency: _____	NOSE			
	TURKEY			
	COLOR			
	HOUSE			
	RIVER			
	Total	# Correct Responses (Range 0-15): _____	# Repetitions: _____	# Intrusions: _____

“Now tell me as many words as you can remember.”

(Record each word recalled in order by writing down the first 1-2 letters of each word in the space above, as well as repetitions of same word and intrusions). Plurals of a word are scored as Correct. Words not on the list or variants of words on the list (e.g., farm, home) are Intrusions.

If person stops before 1 1/2 minutes is up, say,

“There’s still time left, can you think of any more?”

“Good, now let’s go on.”

DIGITS BACKWARD

I am going to say some strings of numbers, and when I am done I would like you to repeat them backwards, in the reverse order from which I said them. So if I said “3, 8”, you would say “8, 3”. Do you understand? The sets will get larger as we go.

(Read in monotone, 1 sec per number. Drop your voice on the last digit to indicate it is time to respond. If they get the first trial on one level, move on to the next level. Discontinue after 2 trials missed on a level).

	Response	Correct?
2 2 - 4 (4 - 2) 5 - 7 (7 - 5)	_____ _____	_____ _____
3 6 - 2 - 9 (9 - 2 - 6) 4 - 1 - 5 (5 - 1 - 4)	_____ _____	_____ _____
4 3 - 2 - 7 - 9 (9 - 7 - 2 - 3) 4 - 9 - 6 - 8 (8 - 6 - 9 - 4)	_____ _____	_____ _____
5 1 - 5 - 2 - 8 - 6 (6 - 8 - 2 - 5 - 1) 6 - 1 - 8 - 4 - 3 (3 - 4 - 8 - 1 - 6)	_____ _____	_____ _____
6 5 - 3 - 9 - 4 - 1 - 8 (8 - 1 - 4 - 9 - 3 - 5) 7 - 2 - 4 - 8 - 5 - 6 (6 - 5 - 8 - 4 - 2 - 7)	_____ _____	_____ _____
7 8 - 1 - 2 - 9 - 3 - 6 - 5 (5 - 6 - 3 - 9 - 2 - 1 - 8) 4 - 7 - 3 - 9 - 1 - 2 - 8 (8 - 2 - 1 - 9 - 3 - 7 - 4)	_____ _____	_____ _____
8 9 - 4 - 3 - 7 - 6 - 2 - 5 - 8 (8 - 5 - 2 - 6 - 7 - 3 - 4 - 9) 7 - 2 - 8 - 1 - 9 - 6 - 5 - 3 (3 - 5 - 6 - 9 - 1 - 8 - 2 - 7)	_____ _____	_____ _____

Enter the highest level reached (this is the longest number of digits correctly repeated in sequence) (Range 0, 2-8): _____

*Immediate self-corrections can be scored as correct.

“Good, now let’s go on.”

CATEGORY FLUENCY

Now I am going to name a category and you will name things that belong in that category. Let's practice with the category "fruit". You could say peach, or pear. Can you think of any other fruits? (wait for 2 correct items). In a moment I will give you another category. When I say begin, you will name all the things from this new category you can think of, as fast as you can. You will have one minute to do this. I will let you know when your time is up. The new category is animals. Do you have any questions? Ready? Begin.

(Time for one minute).

If person stops before 1 minute is up, say "There's still more time, can you think of any more?"

(If person asks whether birds, fish, insects, reptiles, etc. are acceptable, say yes. If a participant says a category such as "bird", then names a specific, "robin", give credit for each. Do not accept mythical animals such as dragons and unicorns.)

1 - 15 sec.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
	Total 1-15s:	_____

15- 30 sec.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
	Total 15-30s:	_____

30- 45 sec.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
	Total 30-45s:	_____

45-60 sec.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
	Total 45-60s:	_____

(Ask about any words you did not understand).

SCORING:

Total Number Correct: _____
 Total Number of Repetitions: _____
 Total Number of Intrusions: _____

"Good, now let's go on."

NUMBER SERIES (REASONING TEST)

In the next exercise I will read you a series of numbers that may get larger or smaller in value. At the end you will try to figure out what the next number would be. So if the numbers were 2,4,6,8,10, the next number would be 12. After I say each number I will pause for as long as you need, and then you should say “okay” when you are ready for me to go on to the next number in the group. So if I said 2, you should say “okay” when you are ready for me to go on to the next number, then I say 4, you say “okay”, 6, “okay”, 8, “okay”, 10, and at the end I will ask you what you think the next number would be. In this case the next number would be 12, as each number has increased by 2.

“Let’s try one for practice: 35 (okay), 30 (okay), 25 (okay), 20 (okay), 15 (okay) AND the next number would be....????”

(The answer should be 10 as each number has decreased by 5).

“There will be different patterns, and some of these will be harder than others, so just do the best you can. If you are not sure of the answer, it is okay to guess. Do you have any questions?”

Pause after each of the first 4 items for okay response; after the last item, say “AND the next number is...?”. There is no discontinuation rule for this subtest.

Trial	Stimulus	Correct Response	Response Given
1	18, 20, 24, 30, 38..... “Okay. Are you ready for another? The next set is:”	<u>48</u>	_____
2	81, 78, 75, 72, 69..... “Okay. Are you ready for another? The next set is:”	<u>66</u>	_____
3	7, 12, 16, 19, 21..... “Okay. Are you ready for another? The next set is:”	<u>22</u>	_____
4	28, 25, 21, 16, 10..... “Okay. Are you ready for another? The next set is:”	<u>3</u>	_____
5	20, 37, 18, 38, 16.....	<u>39</u>	_____

Scoring **Total Correct (0-5): _____**

*Immediate self-corrections can be scored as correct.

“Good, let’s move on.”

BACKWARD COUNTING

Next, I would like to see how fast you can count backwards. When I give the signal to begin, start counting backwards from 100 out loud, as fast as you can. So you will say 100, 99, 98 and so on. You will have half a minute. Do you have any questions? I will let you know when the time is up.

“Begin” (Time for 30 seconds)

On record form:

- / over **skipped** numbers (omissions)
- ← Over top of numbers to denote number **reversals**
- # For **incorrect** responses (errors)

RECORD FORM:

100	99	98	97	96	95	94	93	92	91	90
	89	88	87	86	85	84	83	82	81	80
	79	78	77	76	75	74	73	72	71	70
	69	68	67	66	65	64	63	62	61	60
	59	58	57	56	55	54	53	52	51	50
	49	48	47	46	45	44	43	42	41	40
	39	38	37	36	35	34	33	32	31	30
	29	28	27	26	25	24	23	22	21	20
	19	18	17	16	15	14	13	12	11	10
	9	8	7	6	5	4	3	2	1	

SCORING:

Last Number Reached: _____

Total Number of Errors (Reversals, skips, incorrect numbers): _____

Total Number of Digits Produced (100- (number reached + number errors)): _____

Total Time (If less than 30 seconds): _____

For Form I: Administer the Pre-Injury History Questionnaire or simply make conversation to allow a delay before administering the Short-Delay Word Recall.

For Form II: Administer the PART to allow a delay before administering the Short-Delay Word Recall.

SHORT-DELAY WORD RECALL

Do you remember the very first list of 15 words that I read to you in the beginning? It was the very first thing we did.

(Wait for subject to respond yes. Make sure they understand that it is the word list, not the category fluency test).

I want you to tell me as many of the words from that list as you can. You will have up to one minute. I will tell you when your time is up.

(Record words recalled, including intrusions and repetitions.) If person stops before 1 minute is up, say, There is still more time; can you think of any more?

	Word List	Recalled?	Repetitions (tally)	Intrusions (tally)
Total Correct Primacy: _____	DRUM			
	CURTAIN			
	BELL			
	COFFEE			
	SCHOOL			
Total Correct Middle: _____	PARENT			
	MOON			
	GARDEN			
	HAT			
	FARMER			
Total Correct Recency: _____	NOSE			
	TURKEY			
	COLOR			
	HOUSE			
	RIVER			
	Total	# Correct Responses (Range 0-15): _____	# Repetitions: _____	# Intrusions: _____