

Participant ID #: Acrostic:

Technician ID: Date: / /
Month Day Year

CASI: Cognitive Abilities Screening Instrument

Testing start time (hr:min): :

SCRIPT: "In this next set of questions, we are asking you to perform a simple memory test. As people get older, it is common to have slight memory problems, and it may just be a normal part of getting older. Some of the questions I will ask you are very easy and may even sound a little silly. Some of the questions are very hard, and nobody gets all correct. I have to ask you ALL the questions, so just do the best you can."

1. Where were you born?

City/Town: Correct Error / Refused Not Att / Disabled

City/Town of birth (from previous records): _____

State/Country: Correct Error / Refused Not Att / Disabled

2. When were you born?

Year: Correct Missed by 1-3 years Missed by >3 years Not Att / Disabled

Month: Correct Error / Refused Not Att / Disabled

Day: Correct Error / Refused Not Att / Disabled

Date of birth (from previous records): ___ / ___ / _____

3. How old are you?

Correct Missed by 1-3 years Missed by >3 years Not Att / Disabled

Age (from previous records): ___ years (as of today's date)

4a. How many minutes are there in an hour? (score 2 if either question answered correctly)

Correct Error/Refused Not Att/Disabled
 Correct → Skip 4b
 Error/Refused → Continue with 4b

4b. How many days are there in a year?

Correct
 Error/Refused
 Not Att/Disabled

5. In what direction does the sun set? (if confused, may provide 4 choices)

NOTE: If the participant seems confused, provide the four choices "north, south, east, west". If the participant points, ask "Is that north, south, east, or west?"

Correct Error / Refused Not Att / Disabled

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6. I am going to say 3 words for you to remember. Repeat them after I have said all three.

	Correct	Error / Refused	Not Att / Disabled
Shoes:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blue:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Charity:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

NOTE: If participant can't answer the first time, say *"the three words are shoes, blue and charity"*. If he/she still cannot answer, say *"Let me say the three words again. They are... SHOES - something to wear, BLUE - a color, and CHARITY - a good personal quality. Now say the three words again."*
Score last performance.

7. I shall say some numbers, and you repeat what I say backwards. For example, if I say 1-2, you say 2-1. OK? Remember, you repeat what I say backwards.

	Correct	Error / Refused	Not Att / Disabled
a. 1-2-3 (If unable, coach for 3-2-1, but score 0)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. 6-8-2 (If score is 0 in both A and B, score C 0)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. 3-5-2-9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. What three words did I ask you to remember earlier?

- | | |
|---|---|
| <p>a. Shoes</p> <ul style="list-style-type: none"> <input type="radio"/> Spontaneous recall <input type="radio"/> After: "One word was something to wear" <input type="radio"/> After: "Was it shoes, shirt, or socks?" <input type="radio"/> Still incorrect <input type="radio"/> Not attempted / disabled | <p>b. Blue</p> <ul style="list-style-type: none"> <input type="radio"/> Spontaneous recall <input type="radio"/> After: "One word was a color" <input type="radio"/> After: "Was it blue, black, or brown?" <input type="radio"/> Still incorrect <input type="radio"/> Not attempted / disabled |
| <p>c. Charity</p> <ul style="list-style-type: none"> <input type="radio"/> Spontaneous recall <input type="radio"/> After: "One word was a good personal quality" <input type="radio"/> After: "Was it honesty, charity, or modesty?" <input type="radio"/> Still incorrect <input type="radio"/> Not attempted / disabled | |

NOTE: Unless recall is perfect, give another reminder of the 3 words.

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“Next I’m going to ask you to do some mental subtraction.”

NOTE: For the first error only, score 0, but provide the correct answer. If subject asks examiner to repeat answer from previous step, provide the answer but score 0 at that step. Discontinue after 2 consecutive 0’s for any reason and score the remaining steps as 0.

		Correct	Error / Refused	Not Att / Disabled
9a. From 100, take away 3 equals how many?	(97) <input type="text"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9b. And take away 3 from that equals? (If A and B are both scored 0, score C 0)	(94) <input type="text"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9c. Repeat “And take away 3 again equals?” (ask 3 more times)	(91) <input type="text"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	(88) <input type="text"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	(85) <input type="text"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. What is today’s date? / /

Month Day Year

Today’s date: ___ / ___ / _____

- | | | |
|---|--|--|
| <p>a. Year</p> <ul style="list-style-type: none"> <input type="radio"/> Accurate <input type="radio"/> Missed by 1 year <input type="radio"/> Missed by 2-5 years <input type="radio"/> Missed by 6 or more years <input type="radio"/> Not attempted / disabled | <p>b. Month</p> <ul style="list-style-type: none"> <input type="radio"/> Accurate or within 5 days <input type="radio"/> Missed by 1 month <input type="radio"/> Missed by 2 or more months <input type="radio"/> Not attempted / disabled | <p>c. Day</p> <ul style="list-style-type: none"> <input type="radio"/> Accurate (of the month) <input type="radio"/> Missed by 1 or 2 days <input type="radio"/> Missed by 3-5 days <input type="radio"/> Missed by 6 or more days <input type="radio"/> Not attempted / disabled |
|---|--|--|

11. What day of the week is today? Correct Error / Refused Not Att / Disabled

Day of the week: _____

12. What season of the year is it? Accurate within 1 month Missed by > 1 month Not Att / Disabled

Season: _____

NOTE: Use chart to assist in correct response. If not immediately provided, say “Is it Spring, Summer, Fall or Winter?”

	Correct	Error / Refused	Not Att / Disabled
13a. What <u>State</u> are we in?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. What <u>City/Town/Village</u> are we in?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Is this place a clinic, store, or home?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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NOTE: If the participant gives no response in 10 seconds and there are still at least 10 seconds of remaining time, gently remind him only once “What (other) animals have 4 legs?” For the first incorrect answer, remind the participant “I want you to name four-legged animals.”

14. What animals have 4 legs? Tell me as many as you can. (60 seconds.)

Total correct responses:

30 sec 60 sec

“The next set of questions is about how 2 things are alike. For example, an orange and a banana - the way that they are alike is that they are both fruit.”

15. An orange and a banana are both fruit. (pause for 2 sec., then ask:) (coach for correct answer if needed for “a” only)

- | | |
|--|---|
| <p>a. An <u>arm</u> and a <u>leg</u> are both...?</p> <ul style="list-style-type: none"> <input type="radio"/> Body parts, limbs, extremities <input type="radio"/> Long, bend, muscles, bones, etc. <input type="radio"/> Incorrect / Don’t know <input type="radio"/> Not attempted / disabled | <p>b. <u>Laughing</u> and <u>crying</u> are both...?</p> <ul style="list-style-type: none"> <input type="radio"/> Expressions of feelings/emotions <input type="radio"/> Other correct answer <input type="radio"/> Incorrect / Don’t know <input type="radio"/> Not attempted / disabled |
|--|---|

Record response here: _____

Record response here: _____

- c. Eating and sleeping are both...?
- Necessary bodily functions
 - Other correct answer
 - Incorrect / Don’t know
 - Not attempted / disabled

Record response here: _____

16a. What actions would you take if you saw your neighbor’s house catching fire? (prompt “What else might you do?” once only, if necessary)

NOTE: Score 1 point (up to 2) for each correct responses: call 911, alert fire/police department, save/alert residents, help put out fire, safeguard your own property/family, alert neighbors, try to help.

No. of appropriate actions: 0 1 2

16b. What actions would you take if you lost a borrowed umbrella? (1 point for each category of actions)

- | | | | |
|--------------------|-------------------------------|---------------------------------------|--|
| Inform/Apologize | <input type="radio"/> Correct | <input type="radio"/> Error / Refused | <input type="radio"/> Not Att / Disabled |
| Replace/Compensate | <input type="radio"/> Correct | <input type="radio"/> Error / Refused | <input type="radio"/> Not Att / Disabled |

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16c. What would you do if you found an envelope that was sealed, addressed and had a new stamp?

- Mail
- Try to locate the owner
- Inappropriate action
- Not attempted/disabled

17. Repeat exactly what I say:

a. "He would like to go home."

- Correct
- 1 or 2 missed/wrong words
- 3 or more missed/wrong words
- Not attempted / disabled
- Extra words

NOTE: For each part of 17b, score 1 only if repeated exactly as given.

b. Now repeat...

	Correct	Error / Refused	Not Att / Disabled
"This yellow circle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
is heavier than	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
blue square"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Extra words

18. Please do this: (Point to statement "Raise your Hand")

- Raises hand without prompting → "Thank you, you can put it down now"
- Raises hand after prompting
- Reads correctly, but does not raise hand
- Neither reads nor obeys
- Not attempted / disabled

NOTE: May repeat instructions one time.

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19. Let me have a sample of your handwriting. Please write: (He) would like to go home. (1 min.)
(may dictate 1 word at a time if necessary)

	Correct	Error / Refused	Not Att / Disabled
a. would	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. like	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. to	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. go	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Hand used to write sentence: ____ right ____ left

20. Please copy this: (show pentagons - 1 minute)

NOTE: For right-handed persons, present the sample on their left side. For left-handed persons, present the sample on their right side.

a. Left Pentagon

- 5 approx. equal sides
- 5 but un-equal (>2:1) sides
- Any other enclosed figure
- 2 or more lines but without closure
- Less than 2 lines
- Not attempted / disabled

b. Right Pentagon

- 5 approx. equal sides
- 5 but un-equal (>2:1) sides
- Any other enclosed figure
- 2 or more lines but without closure
- Less than 2 lines
- Not attempted / disabled

c. Intersections

- 4 cornered
- Not 4-cornered enclosure
- No enclosure
- Not attempted / disabled

21. Take this paper with your (left)/(right) hand, fold it in half, and hand it back to me.

NOTE: For question 21, do not repeat any part of the command. (Use non-dominant hand)

	Correct	Error / Refused	Not Att / Disabled
a. (left)/(right) hand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. fold it in half, and	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. hand it back to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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22. What three words did I ask you to remember earlier?

a. Shoes

- Spontaneous recall
- After: "One word was something to wear"
- After: "Was it **shoes, shirt, or socks?**"
- Still incorrect
- Not attempted / disabled

b. Blue

- Spontaneous recall
- After: "One word was a color"
- After: "Was it **blue, black, or brown?**"
- Still incorrect
- Not attempted / disabled

c. Charity

- Spontaneous recall
- After: "One word was a good personal quality"
- After: "Was it **honesty, charity, or modesty?**"
- Still incorrect
- Not attempted / disabled

23. What do we call this part of the face/body? (2 seconds each)

NOTE: Ask this while pointing to the appropriate part on your own body. Do not repeat.

	Correct	Error / Refused	Not Att / Disabled
a. forehead	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. chin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. shoulder	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. elbow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. wrist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24. What is this? (show one at a time)

NOTE: Present one item at a time and ask the participant to name it. If the participant cannot name an object in 2 seconds, put it in the participant's hand and ask "What do you call this?" If he/she still cannot name it, wait 4 seconds, say (for key) "It is a key... say key."

	Correct	Error / Refused	Not Att / Disabled
a. spoon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. coin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. toothbrush	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. key	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. comb	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Total number of objects either named spontaneously or repeated perfectly after coaching: (max. 5)

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25. Remember these 5 objects. (Wait for 5 sec., cover, then ask “What 5 objects did I just show you?”. Any order is OK)

NOTE: Terminate testing when the participant has reported 5 objects (including incorrect names) or when the participant cannot recall any additional item in 5 seconds.

	Correct	Error / Refused	Not Att / Disabled
a. spoon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. coin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. toothbrush	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. key	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. comb	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

26. Once again, where were you born? (If this matches with Q1, assume it is correct)

City/Town: Correct Error / Refused Not Att / Disabled

“Those are all the questions we have on this examination. Thank you for completing them for us.”

Finish time (hr:min): :

Duration (minutes):

VALIDITY OF SCORE

- Valid
- Probably invalid: poor hearing
- Probably invalid: poor eyesight
- Probably invalid: impaired motor control
- Probably invalid: language barrier
- Probably invalid: impaired alertness and attentiveness
- Probably invalid: significant physical/mental discomfort
- Probably invalid: other reasons

Specify:



RAISE YOUR HAND

