

Attachment 26

Reading Recognition

Name of test: Reading Recognition

Estimated time burden: 5 minutes (English version); 10 minutes (Spanish version)

Estimated number of items: 50 items (English); 70-125 depending on age and prescreening performance (Spanish)

NOTE: While parallel development procedures were employed to develop the English and Spanish versions, they are independent measures (i.e., item content—the particular words—differs). In final form, both the English and Spanish versions will function identically as Computer Adaptive Testing (CAT)-administered measures. While development of the English version has been completed for norming, the Spanish version is at the validation stage and a CAT has not yet been constructed. Any differences between the two versions will be summarized in the Spanish version section. Word lists (i.e., the item banks) for both versions also appear below.

Materials:

Laptop & mouse
Monitor

Description:

The participant is asked to read and pronounce letters and words as accurately as possible. For the youngest children, the initial items require them to identify the letters in an array with 3 symbols or to identify a specific letter in an array of 4 letters. Each administration is individualized using a computerized adaptive format and requires approximately 5 minutes.

Overview:

Each participant will see a series of letters and words presented one at a time on the computer screen. Items are presented in order of difficulty – the computer adjusts the difficulty level of items depending on the participant's performance. The number of items presented will depend on age, but will be approximately 50 for most participants. The computer will administer each item one by one, in an untimed fashion, until the test is completed.

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Scoring:

The test is scored automatically by the computer, but the examiner must record whether each *response* is correct. As the participant pronounces a letter or word, the examiner checks the pronunciation key on the screen and clicks the **Yes** button if the pronunciation is correct or the **No** button if the response is incorrect.

Note: It is essential that the examiner thoroughly review and master the item pronunciation guide *before* administering this test and adhere to it for all item scoring. The examiner should not rely on his/her own understanding of word pronunciations based on previous experience.

Administration Instructions

Before beginning, the examiner should indicate the education level of the participant on the opening screen.

Say: **“Now I’m going to show you some letters and some words. I want you to read each letter or word out loud. Read each one loud enough so that I can hear you. Some will be easy and some will be hard. Don’t worry if you don’t know the word or its meaning – just read it out loud the best you can. Let’s begin.”**

When the first item appears, say: **“Tell me, what is this letter/word?”** (Say whichever is appropriate. This prompt can be repeated as many times as is needed.)

For children ages 3-4, the first item(s) will require the participant to point to a letter rather than name it. Follow the on-screen instructions. Note: One or more of these items may be administered to older participants, depending on their performance on the test and what the computer selects to display for a given participant.

If the participant says: “I don’t know this one” or “I can’t read it,” say: **“It is OK if you don’t know the word or what it means – just try to read it as best you can.”** This prompt can be used to reassure participants if they refuse to read the letters/words. If, after prompting, a participant refuses to offer a response, mark the item incorrect (**No**) and the computer will move on to the next item.

Once the examiner scores an item (selects **Yes** or **No**), the computer will proceed to the next item. If the examiner needs to go back and change a score for a response, he/she needs to select the **GO BACK** button, return to the previous screen, and then change the response score. Note: changing the score of a response may affect the item the participant will see when the screen refreshes.

Sample Participant Screen (English version; not to scale)



Spanish version

Estimate of time burden and number of items listed above.

Materials:

Same as above

Description:

Same as above except that the Spanish version is not administered as a computerized adaptive test.

General Task Overview:

Same as above except that participants will receive 70-125 words depending on age and performance on a set of screening items. (The screener consists of 9 items, and routes participants to 1 of 4 forms of fixed length within form but varying in length across forms.)

Scoring:

Same as above

Administration Instructions:

Before beginning, the examiner should indicate the age of the participant; education level is not needed for the Spanish version in its current form. Also, changing the score of a response will not affect the next item the participant will see, as within form the Spanish forms are linear/fixed.

English items:

Z	pale	manila	tenebrous	exacerbating
X	safe	ancient	appellate	etymological
P	band	biscuit	heuristic	conviviality
M	gold	fascist	hyperbole	circumference
C	mere	germane	anomalous	preponderance
D	myth	gingham	enunciate	surreptitious
S	flux	purport	repudiate	transposition
N	beau	respite	vehicular	deliquescence
O	crux	beguile	dolorific	recrudescence
J	hone	chassis	empirical	scintillating
Y	lull	trestle	reliquary	suffrutescent
W	quip	viscous	lieutenant	choreographer
U	poet	assuage	loquacious	platitudinous
R	poky	juncous	ballistics	anachronistic
A	would	clarity	nonchalant	imperiousness
is	their	dilemma	pernicious	perfunctorily
he	these	echelon	debauchery	pusillanimous
as	meant	viscera	imprimatur	synechdochism
on	tough	acolyte	obsequious	dissolubility
for	suite	amplify	adjudicate	imperspicuity
one	lymph	bucolic	apocryphal	fringillaceous
you	joist	dowager	circuitous	reconnaissance
her	whelp	heretic	apopemptic	accrementitial
all	about	issant	insouciant	brobdingnagian
may	pupil	potable	ostensibly	cucurbitaceous
did	liver	utopian	automatism	eccentricities
men	pious	satiety	mischievous	forisfamiliate
art	resin	campaign	expostulate	lugubriousness
tax	libel	doctrine	cylindrical	magniloquently
bad	abate	sergeant	androgynous	ranunculaceous
sir	annul	mystique	belligerent	saxifragaceous
box	belie	penchant	deferential	sesquipedalian
pat	cello	succinct	vicissitude	ecclesiastical
fly	demur	indebted	malevolence	verisimilitude

tea	edict	ablation	oscillating	diamantiferous
bet	kayak	coercive	penultimate	imparidigitate
gel	poser	quixotic	sanguineous	recapitulatory
spa	sinew	vehement	eclecticism	valetudinarian
any	abysm	epilogue	malapropism	of
our	usury	picayune	achromatism	to
era	writhe	fumigant	perspicuity	in
this	during	gelastic	valedictory	it
have	nature	plethora	insinuation	at
were	bureau	innuendo	amicability	be
some	regime	nihilism	inauspicious	or
much	rhythm	temerity	acquiescence	Point to the letter.
both	chorus	effigial	interstitial	Point to the letter.
side	doting	conscious	recalcitrant	Point to the 'B.'
town	ersatz	zeitgeist	ecstatically	Point to the 'e.'
type	palate	allotment	fenestration	try
feed	sedate	aesthetic	exaggeration	deny
stay	stifle	synthesis	excruciating	munity
pool	effete	credulous	incorrigible	titular
heat	renown	facetious	parsimonious	pseudonym
bank	vassal	imbroglio	supercilious	stochastic
laid	foment	pedagogue	abstemiously	entrepreneur
camp	minion	precipice	annunciating	irrevocability
rock	nutate	stevedore	antagonizing	
seek	regent	subjugate	dodecahedral	

Spanish items:

O	gallina	cúbico	dársena	parafernalia
A	brazo	listón	metrónomo	meteorólogos
P	brillo	hálito	pómez	cuadrilátero
L	cruz	sobria	cítara	alucinógenos
X	gira	carmín	médanos	antropofagia
S	real	vírica	hálito	cancerígenos
U	fijo	filial	apócrifo	desequilibrio
R	león	pulcro	sátira	psicoanálisis
C	niña	familia	efímero	quimioterapia
Z	jefe	interés	jácaras	idiosincrasia
D	cañon	dólares	hipérbole	esquizofrenia
N	lluvia	próximo	vástago	inverosímiles
Q	país	células	súbita	cinematógrafo
J	afán	jóvenes	túmulo	paleontólogos
Y	imán	ciencia	trémula	inflacionaria
M	atún	técnica	índole	arquidiócesis
W	apto	rigidez	vorágine	endecasílabos
la	zaga	azafrán	sarcófago	enriquecedora
un	laca	réquiem	caifás	inmunoterapia
es	puja	túnicas	subcomité	condiscípulos
al	euro	gónadas	sicótico	mercadotecnia
me	neón	avícola	osmio	espectrómetro
le	anís	exótica	guaraní	radioisótopos
ha	afín	bohemia	hectárea	concesionaria
mi	orín	cónicas	apólogo	espectrógrafo
fe	algún	burgués	ástato	quincuagésimo
que	razón	híbrido	hexágono	bacteriófagos
muy	atrás	verdugo	efebo	lacrimógenas
fue	común	mientras	épico	extraordinaria
día	jamás	carácter	élite	característica
feo	latín	ejército	bífida	arquitectónico
tío	adiós	análisis	exangüe	medioambiental
mío	rabia	espíritu	estentórea	historiografía
vez	honda	imágenes	dádiva	hidroeléctrica

oír	fusil	película	aristócratas	antinarcóuticos
pero	guisa	cantábrica	escurridizo	presupuestaria
cae	danés	fenómeno	esbozo	meteorológicos
ella	flúor	etcétera	atónito	multitudinaria
doy	mesón	perífrasis	clámide	espantapájaros
ave	rehén	ilícitas	áurea	irracionalidad
perro	tacón	gástrico	monómero	macromoléculas
gris	argón	antídoto	óbolo	simpatiquísimo
flor	recia	fonético	apolíneo	partenogénesis
leche	cuando	homónimo	pábulo	polinucleótido
noche	además	calumnia	cábala	desperezándose
techo	música	ineditas	mucílago	interferómetro
gato	ningún	armónica	sebáceo	escabulléndose
garra	década	cubículo	pócima	carcinogénesis
bate	quizás	histórico	fécula	cualquier
queso	inglés	atmósfera	rácano	yema
llave	alemán	península	petrolíferas	secundaria
gordo	recién	escultórica	gasterópodos	trayectoria
juéz	cuñado	periféricas	hospitalaria	espectáculo
plato	feudal	patología	polipéptidos	archipiélago
playa	lúcida	divisoria	bacteriólogo	antonomasia
grano	desván	alquitrán	estadounidense	antropófago
primo	nítido	escuadrón	fluorescente	fotosíntesis
fruta	vellón	sánscrita	vulcanología	