

Appendix S1. List of verbs.

<i>Supurango</i>	Translation
avanzar	To eat
comentar	To run
gustar	To do push-ups
lavar	To laugh
etener	To drink
encender	To kick
doler	To listen
poner	To sleep
deprimir	To call
impedir	To cook
dormir	To jump rope
partir	To dance
dominas	To write
camenzas	To plow
costas	To throw darts
montas	To clean
detenes	To read
devolves	To shop
metes	To cut
bebes	To wash
definis	To walk
recibis	To smoke
venis	To stretch
sentis	To cough

Appendix S2. Test items in the generalization test.

During Training sessions (Test 1, Test 2A, Test 2B, Test 3A, Test 3B, Test 4A): 12 test items

Verb Category	Test 1	Test 2A	Test 2B	Test 3A	Test 3B	Test 4A
AR	dodapar	podanar	sogumar	bosapar	sasumar	bogunar
AR	posar	podar	benar	pasar	sesar	bosar
ER	sabezer	apezer	sateber	uranber	eseper	beranzer
ER	paser	doser	bazer	ezer	oser	boper
IR	nesapir	besanir	abenpir	tepasir	serabir	sasibir
IR	gosir	sabir	gasir	sonir	tapir	zafir
AS	domibas	monipas	rodasas	somamas	moradas	pomipas
AS	somas	gopas	bodas	ropas	pomas	dodas
ES	mezedes	bebofes	semazes	fenodes	nepepes	sebapes
ES	sefes	fedes	mezes	sedes	memes	medes
IS	pebizis	besamis	sepazis	sesamis	sebisis	tesamis
IS	zesis	tesis	pepis	beris	pezis	bepis

After Training sessions (Test 4B, Test 5, Test 6): 24 test items

Verb Category	Test 4B, 5, 6	Verb Category	Test 4B, 5, 6
AR	bapenar	AS	pomadas
AR	esenmar	AS	romibas
AR	dabar	AS	bopas
AR	nopar	AS	gomas
ER	opeber	ES	sendapes
ER	uraper	ES	femonzes
ER	bozer	ES	remes
ER	pazer	ES	nefes
IR	pesenir	IS	pesopis
IR	epanpir	IS	tedesis
IR	rabir	IS	bezis
IR	zorsir	IS	mefis

Appendix S3. Explicit Grammatical Information Sheet.

(English translation version)

How do you express present progressive? (be - ing)

You need to conjugate a verb to form the present-progressive.

How to form present-progressive form

In *supurango*, there are six categories of verbs. Depending on the verb type, the present progressive form changes. Let's check the table below.

Verb Category	Uninflected form (to do)	Changed form (be -ing)
AR verb	lav-ar (to laugh)	lav- iando (laughing)
ER verb	pon-er (to sleep)	pon- iendo (sleeping)
IR verb	part-ir (to dance)	part- iendo (dancing)
AS verb	mont-as (to clean)	m <u>a</u> nt- iando (cleaning)
ES verb	deten-es (to read)	d <u>i</u> ten- iendo (reading)
IS verb	recib-is (to smoke)	r <u>o</u> cib- iendo (smoking)

Note that AS, ES, and IS verbs involve two changes (the first vowel and the verb ending).

You can refer to this sheet any time during the training session.

Appendix S4. Correlation Coefficients of Outcome Tests Scores with LAA, WMC, RMA, and MRRA

	LAA				WMC				RMA				MRRA			
	Shorter-spaced		Longer-spaced		Shorter-spaced		Longer-spaced		Shorter-spaced		Longer-spaced		Shorter-spaced		Longer-spaced	
	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>	<i>r</i>	<i>p</i>
Rule																
Test 1	.23	.22	.00	.98	.49	.01	.11	.59	.20	.29	.25	.19	.26	.17	.19	.32
Test 2A	-.03	.89	.24	.21	.31	.14	-.06	.74	.34	.07	.44	.02	.24	.20	.43	.02
Test 2B	.38	.04	.26	.16	.33	.10	.17	.37	.43	.02	.36	.05	.50	.00	.38	.04
Test 3A	.15	.43	.36	.05	.22	.28	.04	.85	.03	.88	.38	.04	.09	.63	.43	.02
Test 3B	.18	.35	.30	.11	.22	.28	-.06	.76	.15	.44	.40	.03	.19	.30	.42	.02
Test 4A	.28	.14	.39	.03	.30	.14	-.01	.95	.23	.21	.44	.01	.31	.10	.49	.01
Test 4B	.08	.67	.36	.05	.10	.64	-.12	.53	.09	.62	.42	.02	.11	.57	.47	.01
Test 5	.37	.05	.17	.38	.45	.02	-.15	.45	.36	.05	.43	.02	.44	.01	.39	.04
Test 6	.26	.17	.21	.26	.26	.20	-.13	.50	.15	.44	.42	.02	.23	.21	.40	.03
PP																
Test 1	.05	.78	.36	.05	.24	.25	.13	.51	.48	.01	.55	.00	.38	.04	.56	.00
Test 2A	.03	.89	.18	.35	.33	.11	-.01	.96	.22	.24	.51	.00	.18	.35	.45	.01
Test 2B	.37	.04	.54	.00	.33	.10	.28	.14	.63	.00	.50	.00	.65	.00	.60	.00
Test 3A	.20	.29	.29	.11	.38	.06	.11	.56	.48	.01	.56	.00	.46	.01	.54	.00
Test 3B	.41	.02	.39	.03	.35	.09	.27	.15	.53	.00	.63	.00	.59	.00	.63	.00
Test 4A	.30	.10	.39	.04	.32	.12	.07	.73	.42	.02	.58	.00	.46	.01	.59	.00
Test 4B	.44	.02	.33	.08	.23	.27	.36	.06	.45	.01	.51	.00	.54	.00	.51	.00
Test 5	.32	.08	.31	.11	.53	.01	.18	.35	.40	.03	.56	.00	.46	.01	.55	.00
Test 6	.27	.15	.46	.01	.34	.10	.31	.11	.48	.01	.67	.00	.49	.01	.69	.00

Appendix S5. Results of Multiple Regression Analyses of MRRA and WMC as Predictors.

	Shorter-spaced						Longer-spaced					
	R^2	Adjusted R^2	F	$df1$	$df2$	p	R^2	Adjusted R^2	F	$df1$	$df2$	p
Rule												
Test 1	.24	.17	3.51	2	22	.05	.04	-.04	0.52	2	26	.60
Test 2A	.10	.02	1.23	2	22	.31	.22	.16	3.63	2	26	.04
Test 2B	.26	.19	3.77	2	22	.04	.15	.08	2.29	2	26	.12
Test 3A	.05	-.03	0.60	2	22	.56	.19	.13	3.09	2	26	.06
Test 3B	.06	-.03	0.66	2	22	.53	.21	.15	3.54	2	26	.04
Test 4A	.12	.04	1.47	2	22	.25	.26	.21	4.66	2	26	.02
Test 4B	.01	-.08	0.15	2	22	.86	.29	.23	5.21	2	26	.01
Test 5	.26	.19	3.81	2	22	.04	.23	.16	3.63	2	25	.04
Test 6	.08	.00	0.96	2	22	.40	.23	.17	3.78	2	26	.04
PP												
Test 1	.15	.07	1.90	2	22	.17	.32	.27	6.09	2	26	.01
Test 2A	.11	.03	1.31	2	22	.29	.23	.17	3.83	2	26	.03
Test 2B	.42	.37	8.05	2	22	.00	.37	.32	7.62	2	26	.00
Test 3A	.23	.16	3.30	2	22	.06	.30	.24	5.52	2	26	.01
Test 3B	.35	.29	5.98	2	22	.01	.41	.36	9.00	2	26	.00
Test 4A	.22	.15	3.05	2	22	.07	.36	.31	7.28	2	26	.00
Test 4B	.31	.24	4.85	2	22	.02	.31	.26	5.96	2	26	.01
Test 5	.32	.25	5.09	2	22	.02	.30	.25	5.38	2	25	.01
Test 6	.24	.17	3.51	2	22	.05	.49	.45	12.58	2	26	.00

Appendix S6. Results of T-Tests for Aptitude Scores.

	Shorter-spaced			Longer-spaced			<i>t</i>	<i>df</i>	<i>p</i>	95% CI of Difference	
	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>				<i>LL</i>	<i>UL</i>
Ospan	25	58.04	7.51	29	53.72	10.36	1.73	52	.09	-0.70	9.33
LLAMA-F	30	28.27	4.27	30	27.07	4.46	1.06	58	.29	-1.06	3.46
LLAMA-B	30	13.50	3.42	30	11.93	4.31	1.56	58	.12	-0.45	3.58
LABJ-PA	30	19.53	3.70	30	18.13	4.40	1.33	58	.19	-0.70	3.50
RMA	30	0.18	0.77	30	-0.18	0.96	1.65	58	.11	-0.08	0.82
MRRA	30	0.17	0.68	30	-0.17	0.85	1.70	58	.09	-0.06	0.74

Note. CI = Confidence Interval