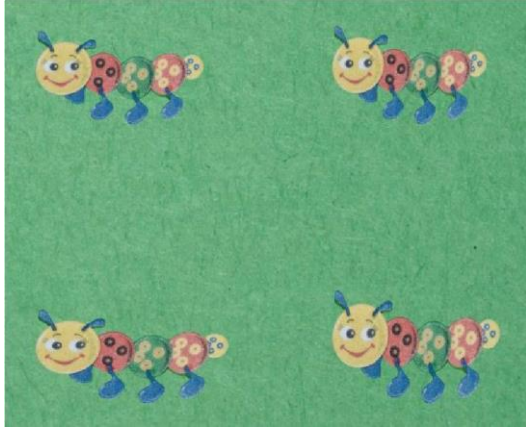
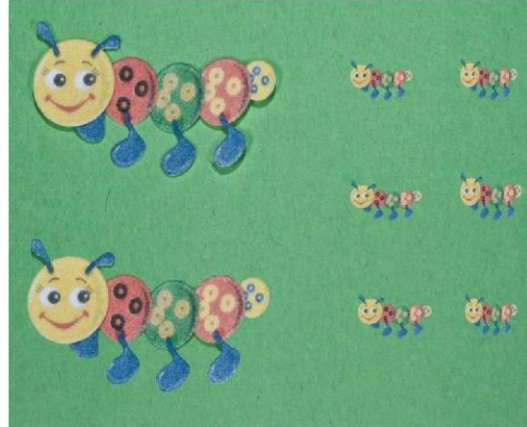


Appendix I: Sample stimuli and pictures

Count nouns:

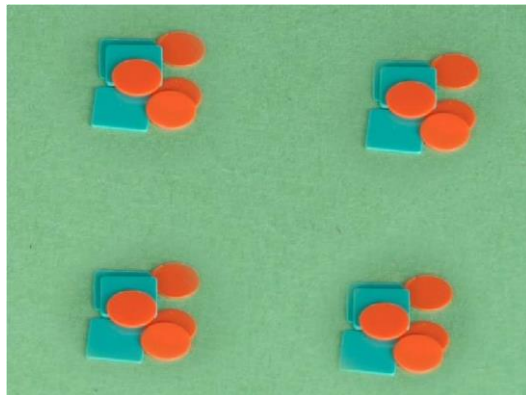


‘Here we see caterpillars.’

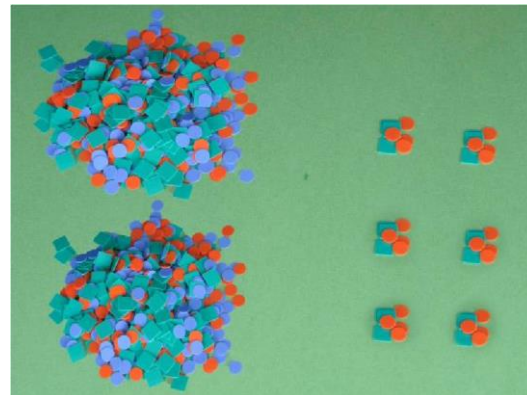


‘Who has more caterpillars?’

Substance-mass nouns:



‘Here we see confetti.’



‘Who has more confetti?’

Object-mass nouns:

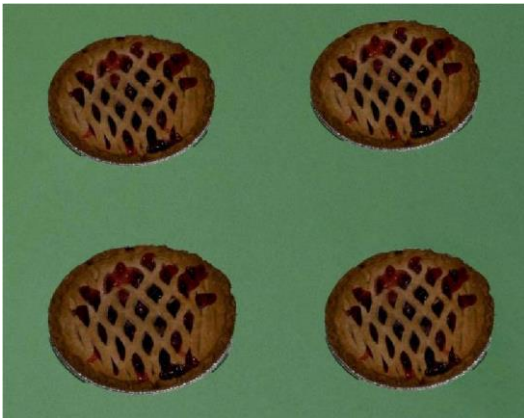


‘Here we see clothing.’



‘Who has more clothing?’

Mass-count flexible nouns:



‘Here we see pie.’
‘Here we see pies.’



‘Who has more pie?’
‘Who has more pies?’

Appendix II: Complete stimuli (English L1)

Count nouns

Training items	Test items
Here we see <i>bees</i> .	Who has more <i>bees</i> ?
Here we see <i>butterflies</i> .	Who has more <i>butterflies</i> ?
Here we see <i>candles</i> .	Who has more <i>candles</i> ?
Here we see <i>caterpillars</i> .	Who has more <i>caterpillars</i> ?
Here we see <i>erasers</i> .	Who has more <i>erasers</i> ?
Here we see <i>flowers</i> .	Who has more <i>flowers</i> ?
Here we see <i>horses</i> .	Who has more <i>horses</i> ?
Here we see <i>paperclips</i> .	Who has more <i>paperclips</i> ?
Here we see <i>trees</i> .	Who has more <i>trees</i> ?
Here we see <i>whistles</i> .	Who has more <i>whistles</i> ?

Substance-mass nouns

Training items	Test items
Here we see <i>butter</i> .	Who has more <i>butter</i> ?
Here we see <i>coconut</i> .	Who has more <i>coconut</i> ?
Here we see <i>confetti</i> .	Who has more <i>confetti</i> ?
Here we see <i>cream cheese</i> .	Who has more <i>cream cheese</i> ?
Here we see <i>ketchup</i> .	Who has more <i>ketchup</i> ?
Here we see <i>lotion</i> .	Who has more <i>lotion</i> ?
Here we see <i>mustard</i> .	Who has more <i>mustard</i> ?
Here we see <i>salt</i> .	Who has more <i>salt</i> ?
Here we see <i>sugar</i> .	Who has more <i>sugar</i> ?
Here we see <i>toothpaste</i> .	Who has more <i>toothpaste</i> ?

Object-mass nouns

Training items	Test items
Here we see <i>cattle</i> .	Who has more <i>cattle</i> ?
Here we see <i>clothing</i> .	Who has more <i>clothing</i> ?
Here we see <i>cutlery</i> .	Who has more <i>cutlery</i> ?
Here we see <i>footwear</i> .	Who has more <i>footwear</i> ?
Here we see <i>furniture</i> .	Who has more <i>furniture</i> ?
Here we see <i>jewelry</i> .	Who has more <i>jewelry</i> ?
Here we see <i>luggage</i> .	Who has more <i>luggage</i> ?
Here we see <i>mail</i> .	Who has more <i>mail</i> ?
Here we see <i>stationary</i> .	Who has more <i>stationary</i> ?
Here we see <i>underwear</i> .	Who has more <i>underwear</i> ?

Mass-count flexible nouns

Training items	Test items
Here we see <i>cake(s)</i> .	Who has more <i>cake(s)</i> ?
Here we see <i>chocolate(s)</i> .	Who has more <i>chocolate(s)</i> ?
Here we see <i>paper(s)</i> .	Who has more <i>paper(s)</i> ?
Here we see <i>pie(s)</i> .	Who has more <i>pie(s)</i> ?
Here we see <i>ribbon(s)</i> .	Who has more <i>ribbon(s)</i> ?
Here we see <i>rock(s)</i> .	Who has more <i>rock(s)</i> ?
Here we see <i>rope(s)</i> .	Who has more <i>rope(s)</i> ?
Here we see <i>salad(s)</i> .	Who has more <i>salad(s)</i> ?
Here we see <i>string(s)</i> .	Who has more <i>string(s)</i> ?
Here we see <i>wire(s)</i> .	Who has more <i>wire(s)</i> ?

Appendix III: Complete stimuli (English L2)

Count nouns

Training items	Test items
Here we see <i>bees</i> .	Who has more <i>bees</i> ?
Here we see <i>candles</i> .	Who has more <i>candles</i> ?
Here we see <i>caterpillars</i> .	Who has more <i>caterpillars</i> ?
Here we see <i>paperclips</i> .	Who has more <i>paperclips</i> ?
Here we see <i>trees</i> .	Who has more <i>trees</i> ?

Substance-mass nouns

Training items	Test items
Here we see <i>coconut</i> .	Who has more <i>coconut</i> ?
Here we see <i>confetti</i> .	Who has more <i>confetti</i> ?
Here we see <i>cream cheese</i> .	Who has more <i>cream cheese</i> ?
Here we see <i>ketchup</i> .	Who has more <i>ketchup</i> ?
Here we see <i>lotion</i> .	Who has more <i>lotion</i> ?

Object-mass nouns

Training items	Test items
Here we see <i>cattle</i> .	Who has more <i>cattle</i> ?
Here we see <i>clothing</i> .	Who has more <i>clothing</i> ?
Here we see <i>cutlery</i> .	Who has more <i>cutlery</i> ?
Here we see <i>jewelry</i> .	Who has more <i>jewelry</i> ?
Here we see <i>luggage</i> .	Who has more <i>luggage</i> ?

Mass-count flexible nouns

Training items	Test items
Here we see <i>chocolate(s)</i> .	Who has more <i>chocolate(s)</i> ?
Here we see <i>pie(s)</i> .	Who has more <i>pie(s)</i> ?
Here we see <i>ribbon(s)</i> .	Who has more <i>ribbon(s)</i> ?
Here we see <i>string(s)</i> .	Who has more <i>string(s)</i> ?
Here we see <i>wire(s)</i> .	Who has more <i>wire(s)</i> ?

Appendix IV: Complete stimuli (Korean L1)

Count nouns

Training items	Test items
<i>got-i</i> ¹ iss-im-nida. ‘Here we see <i>flowers</i> .’	nwu-gwu te <i>got-ul</i> ² ka-ji-go iss-e-yo? ‘Who has more <i>flowers</i> ?’
<i>hogak-i</i> iss-im-nida. ‘Here we see <i>whistles</i> .’	nwu-gwu te <i>hogak-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>whistles</i> ?’
<i>jiugae-ga</i> iss-im-nida. ‘Here we see <i>erasers</i> .’	nwu-gwu te <i>jiugae-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>erasers</i> ?’
<i>mal-i</i> iss-im-nida. ‘Here we see <i>horses</i> .’	nwu-gwu te <i>mal-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>horses</i> ?’
<i>nabi-ga</i> iss-im-nida. ‘Here we see <i>butterflies</i> .’	nwu-gwu te <i>nabi-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>butterflies</i> ?’

Substance-mass nouns

Training items	Test items
<i>beoteo-ga</i> iss-im-nida. ‘Here we see <i>butter</i> .’	nwu-gwu te <i>beoteo-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>butter</i> ?’
<i>chiyak-i</i> iss-im-nida. ‘Here we see <i>toothpaste</i> .’	nwu-gwu te <i>chiyak-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>toothpaste</i> ?’
<i>gyeoja-ga</i> iss-im-nida. ‘Here we see <i>mustard</i> .’	nwu-gwu te <i>gyeoja-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>mustard</i> ?’
<i>seoltang-i</i> iss-im-nida. ‘Here we see <i>sugar</i> .’	nwu-gwu te <i>seoltang-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>sugar</i> ?’
<i>sogeum-i</i> iss-im-nida. ‘Here we see <i>salt</i> .’	nwu-gwu te <i>sogeum-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>salt</i> ?’

Object-mass nouns

Training items	Test items
<i>chimbal-i</i> iss-im-nida. ‘Here we see <i>footwear</i> .’	nwu-gwu te <i>chimbal-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>footwear</i> ?’
<i>hyyongpul-i</i> iss-im-nida. ‘Here we see <i>stationary</i> .’	nwu-gwu te <i>hyyongpul-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>stationary</i> ?’
<i>kago-ga</i> iss-im-nida. ‘Here we see <i>furniture</i> .’	nwu-gwu te <i>kago-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>furniture</i> ?’
<i>sogot-i</i> iss-im-nida. ‘Here we see <i>underwear</i> .’	nwu-gwu te <i>sogot-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>underwear</i> ?’

¹ *-i* and *-ga* are Korean nominative case markers. *-i* appears following a consonant and *-ga* appears following a vowel.

² *-ul* and *-lul* are Korean accusative case markers. *-ul* appears following a consonant and *-lul* appears following a vowel.

<i>upyeonmul-i</i> iss-im-nida. ‘Here we see <i>mail</i> .’	nwu-gwu te <i>upyeonmul-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>mail</i> ?’
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Mass-count flexible nouns

Training items	Test items
<i>jong-i</i> iss-im-nida. ‘Here we see <i>paper(s)</i> .’	nwu-gwu te <i>jong-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>paper(s)</i> ?’
<i>keikheu-ga</i> iss-im-nida. ‘Here we see <i>cake(s)</i> .’	nwu-gwu te <i>keikheu-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>cake(s)</i> ?’
<i>pai-ga</i> iss-im-nida. ‘Here we see <i>rock(s)</i> .’	nwu-gwu te <i>pai-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>rock(s)</i> ?’
<i>pakjul-i</i> iss-im-nida. ‘Here we see <i>rope(s)</i> .’	nwu-gwu te <i>pakjul-ul</i> ka-ji-go iss-e-yo? ‘Who has more <i>rope(s)</i> ?’
<i>salleudeu-ga</i> iss-im-nida. ‘Here we see <i>salad(s)</i> .’	nwu-gwu te <i>salleudeu-lul</i> ka-ji-go iss-e-yo? ‘Who has more <i>salad(s)</i> ?’