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	Semantic.Integration	Local.Noun.Number	Related	Unrelated
1	Integrated	Singular	The necklace with the colorful diamond	The necklace with the colorful feather
2		Plural	The necklace with the colorful diamonds	The necklace with the colorful feathers
3	Unintegrated	Singular	The necklace near the colorful diamond	The necklace near the colorful feather
4		Plural	The necklace near the colorful diamonds	The necklace near the colorful feathers

Table 1: Experiment 1 critical item example

	Local.Noun.Number	Related	Unrelated	pval
1	Singular	6.2 (0.59)	3.02 (1.28)	7.97772e-13 ***
2	Plural	6.15 (0.66)	2.96 (1.15)	
3	Mean	6.18	2.99	
4	Note: Scale was 1(unrelated) to 7(very related). SD in parens.			

Table 2: Experiment 1 mean relatedness ratings

	Semantic.Integration	Local.Noun.Number	Related	Unrelated	pval
1	Integrated	Singular	5.93 (0.5)	3.74 (0.76)	
2		Plural	5.84 (0.56)	3.83 (0.77)	
3		Mean	5.89	3.79	1.04934e-11 ***
4	Unintegrated	Singular	4.73 (0.59)	2.62 (0.54)	
5		Plural	4.72 (0.65)	2.64 (0.68)	
6		Mean	4.72	2.63	1.538543e-13 ***
7	Int. vs. Unint. p-val: 1.796443e-12 ***				
8	Note: Scale was 1 (not linked) to 7 (tightly linked). SD in parens.				

Table 3: Experiment 1 mean integration ratings

	Local.Noun.Number	Related	Unrelated	pval
1	Singular	0.07 (0.1)	0 (0)	
2	Plural	0.02 (0.06)	0 (0)	0.002152668 **
3	Note: Back transofmred proportions of ASIN transformed proportions. SD in parens.			

Table 4: Experiment 1 head-to-local association proportions

	Condition.Related	Condition.Integrated	Local.Noun.Number	Error.Rate	Error	Correct	Uninflected	Miscellaneous
1	Related	Integrated	Plural	10.9 (1.4, 1.4)	39 (6)	318 (23)	178 (20)	167
2		Integrated	Singular	0 (0, 0)	0 (0)	349 (22)	207 (17)	147
3		Unintegrated	Plural	8.3 (1.4, 1.4)	29 (3)	322 (29)	123 (15)	229
4		Unintegrated	Singular	0.3 (0.4, 0.3)	1 (0)	376 (34)	133 (6)	192
5	Unrelated	Integrated	Plural	6.2 (1.4, 2)	22 (5)	332 (29)	149 (16)	196
6		Integrated	Singular	0.3 (0.4, 0.2)	1 (0)	379 (35)	172 (22)	149
7		Unintegrated	Plural	4.3 (1.2, 0.9)	16 (3)	352 (34)	134 (17)	199
8		Unintegrated	Singular	0.3 (0.2, 0.3)	1 (1)	373 (39)	145 (9)	183

Table 5: Experiment 1 Error Rate and Response Counts

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	55.95	332.8 (***)	31.77	73.84 (***)
2	Related	5.66	188.78 (*)	5.58	28.851 (*)
3	Local Noun Number X Relatedness	6.76	181 (**)	6.16	28.816 (*)
4	Integration	1.49	237.53 ()	1.53	36.73 ()
5	Local Noun Number X Integration	2.14	208.65 ()	2.21	34.01 ()
6	Relatedness X Integration	0.03	230.12 ()	0.02	17.107 ()
7	Local Noun Number X Relatedness X Integration	0.08	222.95 ()	0.00	17.389 ()

Table 6: Experiment 1 Error Rate ANOVAs

	Relationship	Singular	Plural
1	Related	The saw by the oily wrench	The saw by the oily wrenches
2	Unrelated	The saw by the oily rag	The saw by the oily rags

Table 7: Category critical item versions

	Relationship	Singular	Plural
1	Attribute+Assoc.	The jar near the sticky lid	The jar near the sticky lids
2	Associate	The jar near the sticky cookie	The jar near the sticky cookies
3	Unrelated	The jar near the sticky bagel	The jar near the sticky bagels

Table 8: Property critical item versions

	Local.Noun.Number	Related	Unrelated	pval
1	Singular	4.21 (0.87)	2.29 (0.87)	
2	Plural	4.29 (0.78)	2.32 (0.79)	
3	Mean	4.25	2.31	5.05961e-09 ***
4	Note: Scale was 1(unrelated) to 7(very related). SD in parens.			

Table 9: Category Coordinates Mean relatedness ratings

	Local.Noun.Number	Related	Unrelated
1	Singular	3.24 (0.58)	2.74 (0.64)
2	Plural	3.11 (0.51)	2.62 (0.6)
3	Mean	3.17	2.68
4	Int. vs. Unint. p-val: 0.000429833 ***		
5	Note: Scale was 1 (not linked) to 7 (tightly linked). SD in Parens.		

Table 10: Category Coordinate mean integration rating

	Local.Noun.Number	Attribute	Associate	Unrelated
1	Singular	5.84 (0.4)	4.71 (0.91)	3.28 (0.91)
2	Plural	5.98 (0.44)	4.61 (0.93)	2.96 (1.43)
3	Mean	5.91	4.66	3.12
4	Note: Scale was 1(unrelated) to 7(very related).		SD in parens.	
5				
6	Att. vs Assoc pval	2.874564e-07 ***		
7	Assoc. vs Unrel pval	9.86951e-07 ***		
8	Att. vs Unrel pval	3.27133e-12 ***		

Table 11: Property mean relatedness ratings

	Local.Noun.Number	Attribute	Associate	Unrelated
1	Singular	4.64 (0.42)	4.1 (0.76)	2.88 (0.88)
2	Plural	4.62 (0.35)	4.22 (0.72)	3 (0.6)
3	Mean	4.63	4.16	2.94
4	Note: Scale was 1(not linked) to 7(tightly linked).		SD in parens.	
5				
6	Att. vs Assoc pval	2.874564e-07 ***		
7	Assoc. vs Unrel pval	9.72584e-07 ***		
8	Att. vs Unrel pval	4.54162e-10 ***		

Table 12: Property mean integration ratings

	Local.Noun.Number	Attribute	Associate	Unrelated
1	Singular	0.05 (0.07)	0.02 (0.03)	0 (0)
2	Plural	0.02 (0.05)	0.01 (0.04)	0 (0)
3	Mean	0.03	0.02	0
4	Note: Back transofmred proportions of ASIN transformed proportions.		SD in parens.	
5				
6	Att. vs Assoc pval	0.0398724 *		
7	Assoc. vs Unrel pval	0.0000993372 ***		
8	Att. vs Unrel pval	0.00001896351 ***		

Table 13: Property head-to-local association proportions

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	Condition.Related	Local.Noun.Number	Error.Rate	Error	Correct	Uninflected	Miscellaneous
1	Related	Plural	Inf (1.2, 1.4)	26 (3)	447 (31)	125 (8)	174
2	Related	Singular	NaN (0, 0)	0 (0)	465 (30)	132 (12)	171
3	Unrelated	Plural	Inf (1.2, 1.8)	26 (0)	408 (24)	142 (13)	195
4	Unrelated	Singular	Inf (0.3, 0.3)	3 (2)	483 (30)	131 (22)	154
5	Attribute	Plural	5.5 (1.5, 1.5)	18 (3)	308 (20)	72 (5)	117
6	Attribute	Singular	0.3 (0, 0)	1 (0)	327 (17)	80 (5)	108
7	Associate	Plural	10.6 (1.7, 1.9)	37 (4)	312 (27)	61 (3)	106
8	Associate	Singular	0.5 (0.3, 0.3)	2 (0)	368 (25)	67 (6)	78
9	Unrelated	Plural	2.5 (1.1, 0.9)	9 (0)	353 (17)	58 (4)	96
10	Unrelated	Singular	0.6 (0.4, 0.4)	2 (0)	355 (18)	79 (9)	79

Table 14: Experiment 2 Error rates and response counts

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	31.63	122.1 (***)	14.19	46.23 (**)
2	Related	0.47	74.74 ()	0.09	19.736 ()
3	Local Noun Number X Relatedness	0.01	66.33 ()	0.14	20.497 ()

Table 15: CAT error rate ANOVAs

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	31.85	184.64 (***)	28.32	40.87 (***)
2	Related	7.41	95.56 (***)	7.18	20.53 (**)
3	Local Noun Number X Relatedness	6.25	114.32 (**)	7.14	21.758 (**)

Table 16: PROP error rate ANOVAs

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	6.53	0.14464 (*)	5.12	5.418 (*)
2	Related	2.19	0.13601 ()	0.45	19.331 ()
3	Local Noun Number X Relatedness	0.03	0.15436 ()	0.03	3.837 ()
4	Integration	38.38	0.13507 (***)	11.60	13.134 (**)
5	Local Noun Number X Integration	1.01	0.16932 ()	1.41	3.538 ()
6	Relatedness X Integration	9.78	0.13725 (**)	4.54	8.694 (*)
7	Local Noun Number X Relatedness X Integration	0.06	0.15149 ()	0.05	5.266 ()

Table 17: Experiment 1 Uninflected Responses

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	16.70	0.15291 (***)	5.83	12.859 (*)
2	Related	0.07	0.16947 ()	0.02	15.757 ()
3	Local Noun Number X Relatedness	0.04	0.18017 ()	0.02	11.003 ()
4	Integration	22.07	0.16662 (***)	8.72	12.38 (**)
5	Local Noun Number X Integration	0.18	0.1943 ()	0.31	3.271 ()
6	Relatedness X Integration	5.55	0.15654 (*)	2.45	10.423 ()
7	Local Noun Number X Relatedness X Integration	2.39	0.17062 ()	4.01	2.9891 (.)

Table 18: Experiment 1 Miscellaneous responses

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	0.06	0.0898 ()	0.05	3.493 ()
2	Related	0.73	0.11394 ()	0.42	6.384 ()
3	Local Noun Number X Relatedness	0.83	0.12548 ()	0.60	5.614 ()

Table 19: CAT Uninflected ANOVAs

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	2.80	0.22298 (.)	2.54	7.949 ()
2	Related	0.04	0.13017 ()	0.03	6.514 ()
3	Local Noun Number X Relatedness	2.91	0.16042 (.)	2.93	5.129 ()

Table 20: CAT Miscellaneous ANOVAs

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	4.03	0.09815 (*)	5.64	1.5069 (*)
2	Related	1.17	0.12128 ()	0.94	3.273 ()
3	Local Noun Number X Relatedness	0.56	0.11538 ()	0.51	2.708 ()

Table 21: PROP Uninflected ANOVAs

	Effect	F1	MSe	F2	MSe
1	Local Noun Number	6.38	0.14759 (*)	4.99	4.062 (*)
2	Related	4.52	0.15217 (*)	3.18	4.654 (.)
3	Local Noun Number X Relatedness	0.71	0.12496 ()	0.54	3.534 ()

Table 22: PROP Miscellaneous ANOVAs

Subexpt.	Analysis No.	Random Effects	Random Effects	Fixed Effects Estimates						P-values					
REL * INT ANALYSIS															
		F1 Rand	F2 Rand	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int
SemRel	1	rel * int	rel + int	0.219	0.082	0.199	0.311	0.105	0.015	<.001 ***		<.001 ***	<.10 .	<.001 ***	
CatCoord	10	rel * int	1	-0.692	-0.411	-0.216	-0.352	-0.66	-0.546	<.001 ***	<.05 *	<.01 **		<.001 ***	<.05 *
Property	100	rel * int	rel:int	0.126	0.191	0.095	0.017	-0.127	-0.15	<.05 *				<.001 ***	
SemProp	10000	rel * int	rel + int	0.085	0.04	0.169	0.223	-0.028	-0.04	<.01 **		<.001 ***	<.10 .		
ALL	1000	rel * int	rel:int	0.083	0.054	0.187	0.244	0.057	-0.019	<.01 **		<.001 ***	<.05 *	<.01 **	
REL * INT(RES)															
		F1 Rand	F2 Rand	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int
SemRel	1a	rel + res.int	rel + res.int	0.354	0.325	0.107	0.179	0.073	0.033	<.001 ***	<.001 ***	<.001 ***	<.10 .	<.001 ***	
CatCoord	10a	rel * res.int	1	-0.06	-0.041	0.09	-0.077	-0.247	-0.352					<.001 ***	<.05 *
Property	100a	rel * res.int	rel:res.int	0.032	0.024	-0.009	0.037	0.338	0.38					<.001 ***	<.01 **
SemProp	10000a	rel * res.int	rel:res.int	0.243	0.264	0.108	0.142	0.104	0.073	<.001 ***	<.001 ***	<.001 ***	<.05 *	<.001 ***	
ALL	1000a	rel * res.int	rel:res.int	0.219	0.228	0.124	0.155	0.071	0.059	<.001 ***	<.001 ***	<.001 ***	<.01 **	<.001 ***	
REL(RES) * INT															
		F1 Rand	F2 Rand	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int
SemRel	1b	res.rel * int	res.rel + int	0.098	0.038	0.389	0.384	0.149	0.119	<.001 ***		<.001 ***	<.001 ***	<.001 ***	
CatCoord	10b	res.rel * int	1	-0.435	-0.121	-0.04	-0.21	-0.569	-0.143	<.001 ***				<.001 ***	
Property	100b	res.rel * int	1	0.196	0.161	0.046	0.064	-0.269	-0.254	<.001 ***				<.001 ***	<.10 .
SemProp	10000b	rel * int	rel + int	0.059	0.025	0.248	0.266	-0.01	0.003	<.001 ***		<.001 ***	<.001 ***		
ALL	1000b	res.rel * int	res.rel:int	0.038	0.023	0.257	0.301	0.088	0.016	<.05 *		<.001 ***	<.001 ***	<.001 ***	
Subexpt.	Analysis No.	Random Effects	Random Effects	Fixed Effects Estimates						P-values					
ASSOC * INT ANALYSIS															
		F1 Rand	F2 Rand	F1 assoc	F2 assoc	F1 int	F2 int	F1 rel * int	F2 rel * int	F1 assoc	F2 rel	F1 assoc	F2 int	F1 rel * int	F2 ass * int
SemRel	2	int * assHL	int + assHL	0.051	0.008	0.357	0.397	0.142	0.155			<.001 ***	<.001 ***	<.01 **	<.10 .
CatCoord	20														
Property	200	int * assHL	int:assHL	-0.045	-0.08	0.22	0.225	-0.102	-0.071			<.001 ***	<.10 .	<.01 **	
SemProp	20000	int * assHL	int + assHL	-0.105	-0.072	0.283	0.308	0.124	0.125	<.01 **		<.001 ***	<.001 ***	<.001 ***	<.10 .
ALL	2000	int * assHL	int:assHL	-0.043	0.04	0.218	0.248	0.112	-0.004			<.001 ***	<.001 ***	<.001 ***	

REL * ASSOC ANALYSIS															
		F1 Rand	F2 Rand	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int	F1 rel	F2 rel	F1 int	F2 int	F1 ass * int	F2 ass * int
SemRel	3	rel * assHL	rel + assHL	0.49	0.425	-0.248	-0.247	0.455	0.31	<.001 ***		<.10 .		<.001 ***	
CatCoord	30														
Property	300	rel * assHL	rel:assHL	0.167	0.166	0.116	0.12	-0.255	-0.254	<.001 ***		<.05 *		<.001 ***	<.10 .
SemProp	30000	rel * assHL	rel + assHL	0.178	0.083	0.061	0.165	-0.021	-0.227	<.001 ***					
ALL	3000	rel * assHL	rel:assHL	0.107	0.043	0.136	0.316	0.019	-0.262	<.001 ***		<.05 *	<.10 .		<.10 .
REL * ASSOC(RES)															
		F1 rand	F2 rand	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 ass * int
SemRel	3a	rel * res.assh	rel + res.assh	0.284	0.311	-0.046	0.025	-0.061	-0.048	<.001 ***	<.01 **			<.10 .	
CatCoord	30a														
Property	300a	rel * res.assh	rel:res.assh	0.05	0.07	-0.313	-0.323	0.082	0.059	<.10 .		<.001 ***	<.05 *	<.01 **	
SemProp	30000a	rel * res.assh	rel + res.assh	0.176	0.201	-0.185	-0.182	-0.023	0	<.001 ***	<.01 **	<.001 ***	<.10 .		
ALL	3000a	rel * res.assh	rel:res.assh	0.196	0.182	-0.094	-0.107	-0.116	0.001	<.001 ***	<.01 **	<.001 ***		<.001 ***	
REL(RES) * ASSOC															
		F1 rand	F2 rand	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 rel * int	F1 rel	F2 rel	F1 int	F2 int	F1 rel * int	F2 ass * int
SemRel	3b	res.rel2 * ass	res.rel2 + as	0.239	0.181	0.184	0.169	0.086	-0.071	<.001 ***		<.001 ***		<.01 **	
CatCoord	30b														
Property	300b	res.rel2 * ass	res.rel2:assh	0.277	0.313	-0.13	-0.184	-0.058	0.044	<.001 ***	<.01 **	<.001 ***		<.05 *	
SemProp	30000b	res.rel2 * ass	res.rel2 + as	0.254	0.206	-0.041	0.021	0.143	-0.013	<.001 ***	<.05 *			<.001 ***	
ALL	3000b	res.rel2 * ass	res.rel2:assh	0.173	0.174	0.047	0.083	0.142	-0.004	<.001 ***	<.01 **	<.10 .		<.001 ***	