

Appendix

Table A1.

Pairwise comparisons for all main effects in the multilevel models for response time (df = 2,241) and performance (df = 2,256) in Experiments 1 and 2 (df = 6,281).

Response Time									
Main Effect	Comparison	Experiment 1				Experiment 2			
		Mean diff (log ms)	p	95% CI		Mean diff (log ms)	p	95% CI	
				Lower	Upper			Lower	Upper
Format	Numerical-Verbal	0.11	.003	.04	.18	0.01	.533	-0.04	0.02
Load	Easy-Control	0.02	.238	-0.01	0.05				
	Hard-Control	0.01	.917	-0.02	0.04	0.04	< .001	0.03	0.05
	Hard-Easy	-0.01	.719	-0.04	0.02				
Nutrient	Minerals-Fat	0.01	.557	-0.01	0.02	0.02	.006	0.01	0.03
Quantity	Med-Low	0.03	.062	-0.001	0.06				
	High-Low	-0.01	.612	-0.03	0.02	0.02	.034	0.001	0.03
	Med-High	0.04	.023	0.004	0.07				
Correct response	Exceeds-Within	0.06	< .001	0.04	0.07	-0.03	< .001	-0.04	-0.01

QUANTIFIER FORMAT AND DECISION PROCESSES

<i>Performance</i>									
Main Effect	Comparison	Experiment 1				Experiment 2			
		Mean diff (% correct)	<i>p</i>	95% CI		Mean diff (% correct)	<i>p</i>	95% CI	
				Lower	Upper			Lower	Upper
Format	Numerical-Verbal	13.9	< .001	7.2	20.5	14.3	< .001	11.1	17.5
Load	Easy-Control	-0.3	1.00	-3.5	4.1				
	Hard-Control	-1.1	1.00	-5.3	3.1	-1.1	.422	-3.8	1.6
	Hard-Easy	-1.4	1.00	-6.0	3.3				
Nutrient	Minerals-Fat	3.3	.057	-0.1	6.6	-5.2	.001	-8.4	-2.0
Quantity	Med-Low	1.9	.597	-5.1	8.8				
	High-Low	9.8	.006	2.2	17.4	12.1	< .001	8.6	15.5
	Med-High	-7.9	.011	-14.3	-1.5				
Correct response	Exceeds-Within	-21.9	< .001	-26.7	-17.0	21.8	< .001	18.7	24.8

QUANTIFIER FORMAT AND DECISION PROCESSES

Table A2.

Pairwise comparisons for the Format × Load interaction for response time (df = 2,241) and performance (df = 2,256) in Experiments 1 and 2 (df = 6,281).

Response Time									
Format	Load Comparison	Experiment 1				Experiment 2			
		Mean diff (log ms)	<i>p</i>	95% CI		Mean diff (log ms)	<i>p</i>	95% CI	
				Lower	Upper			Lower	Upper
Verbal	Easy-Control	0.02	.671	-0.02	0.06				
	Hard-Control	0.01	.966	-0.03	0.04	0.05	< .001	0.03	0.06
	Hard-Easy	-0.01	.966	-0.05	0.03				
Numerical	Easy-Control	0.02	.619	-0.02	0.06				
	Hard-Control	0.01	.865	-0.02	0.05	0.04	< .001	0.02	0.05
	Hard-Easy	-0.01	.865	-0.04	0.03				

Performance									
Format	Load Comparison	Experiment 1				Experiment 2			
		Mean diff (% correct)	<i>p</i>	95% CI		Mean diff (% correct)	<i>p</i>	95% CI	
				Lower	Upper			Lower	Upper
Verbal	Easy-Control	3.4	.885	-4.3	11.1				
	Hard-Control	0.1	.911	-5.7	7.7	-1.5	.454	-5.5	2.5
	Hard-Easy	-2.4	.911	-9.7	4.9				
Numerical	Easy-Control	-1.2	1.00	-5.5	3.1				
	Hard-Control	-1.8	1.00	-6.7	3.0	-0.7	.685	-4.1	2.7
	Hard-Easy	-0.7	1.00	-5.1	3.7				

QUANTIFIER FORMAT AND DECISION PROCESSES

Table A3.

Pairwise comparisons for the Format × nutrient × correct response interaction for response time (df = 2,241) and performance (df = 2,256) in Experiments 1 and 2 (df = 6,281).

Response Time									
Format	Nutrient	Experiment 1				Experiment 2			
		Mean response time diff (log ms) (Within – exceeds)	<i>p</i>	95% CI Lower Upper		Mean response time diff (log ms) (Within – exceeds)	<i>p</i>	95% CI Lower Upper	
Verbal	Fat	-0.02	.216	-0.06	0.01	0.01	.543	-0.02	0.03
	Minerals	-0.07	< .001	-0.11	-0.03	-0.07	< .001	-0.09	-0.05
Numerical	Fat	0.04	.025	0.01	0.08	0.01	.300	-0.01	0.04
	Minerals	0.09	< .001	0.05	0.13	-0.06	< .001	-0.08	-0.03

Performance									
Format	Nutrient	Experiment 1				Experiment 2			
		Mean perf diff (% correct) (Within – exceeds)	<i>p</i>	95% CI Lower Upper		Mean perf diff (% correct) (Within – exceeds)	<i>p</i>	95% CI Lower Upper	
Verbal	Fat	18.1	< .001	10.4	25.7	8.0	.009	2.0	14.0
	Minerals	44.0	< .001	35.4	52.7	52.4	< .001	47.6	57.1
Numerical	Fat	11.3	< .001	4.7	18.0	3.2	.243	-2.2	8.5
	Minerals	15.5	< .001	8.6	22.4	35.8	< .001	30.7	41.0