































Simple Arithmetic								
Predictor	Ade	Addition $(r + s = m)$			Subtraction (m - s = r			
	В	SE	t-value	В	SE	t-value		
Intercept	86	.18	-4.73***	43	.12	-3.48**		
m	.04	.03	1.41					
Minimum of r & s	.15	.05	3.43**	.10	.03	2.91**		
Tie (r = s)	-1.32	.13	-10.05***	98	.14	-6.82**		
Order (r > s vs r < s)	10	.07	-1.38	63	.08	-7.60**		
Cross 10	.86	.17	5.06***	1.33	.15	8.76***		
Units r s = 1	58	.11	-5.29***	47	.12	-3.78**		
Units r s = 5	19	.09	-2.22*					
Units r s = 9	30	.11	-2.79**	29	.11	-2.56*		
m is decade	87	.15	-5.74***	-1.22	.16	-7.82**		
Units m = 1	58	.14	-4.03***					
Units m = 5								
Units m = 9				.27	.15	1.87		







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Predictor	Simple +	Simple -	Complex +	Complex -	
R ²	91%	87%	91%	86%	
Intercept	***	***	***	***	
m	0				
Minimum of r & s	**	**	***	***	
Order: r = s (tie)	***	***	***	***	
Order: r > s	0	***	0	***	
Cross 10	***	***	***	***	
Units r s = 1	***	***	***	***	
Units r s = 5	*				
Units r s = 9	**	*	*	*	
m is decade	***	***	***	***	
Units m = 1	***		***		
Units m = 5					
Units m = 9		0		0	
Logarithm of m			***		
Tie units			***	**	
Tie decades					
r s is decade			***	***	
# digits			***	***	



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Conclusions			Future/possibilities		
 Large amout Addition Subtracti Comparable problems. Do similar Addition and Salient dif What do and/or set 	nt of explained variance Simple: 91% Comp on Simple: 87% Comp models for simple and con processes underlie both? d subtraction are strongly r ference: order-effect ses this tell us about memory pr strategy use?	lex: 91% lex: 86% nplex related. ocesses	 Comparing Studying m Error analy Data today 28,000,0 18,000 c 	all operations (+, - , x, /) nore complex problems rsis 000 arithmetic problems sol children	ved
	Expert meeting Benelux	25	11-2-2011	Expert meeting Benelux	26

