

# Annex **B**

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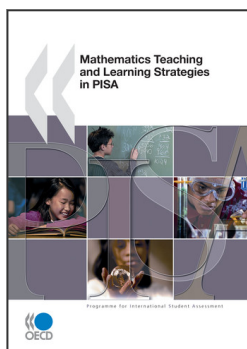
## CORRELATIONS

Table B.1  
Latent correlations among selected measures used in the teaching and learning analytical model

Learning strategies and student confidence									
Latent correlations between:									
	Control strategies	Control strategies	Elaboration strategies	Self-efficacy in mathematics	Self-efficacy in mathematics	Anxiety in mathematics	Self-efficacy in mathematics	Self-efficacy in mathematics	Self-efficacy in mathematics
	Elaboration strategies	Memorisation/rehearsal strategies	Memorisation/rehearsal strategies	Anxiety in mathematics	Self-concept in mathematics	Self-concept in mathematics	Memorisation/rehearsal strategies	Elaboration strategies	Control strategies
Australia	0.75	0.96	0.78	-0.55	0.72	-0.78	0.32	0.36	0.30
Austria	0.45	0.84	0.35	-0.42	0.48	-0.87	0.00	0.13	0.26
Belgium	0.62	0.88	0.60	-0.36	0.43	-0.82	0.09	0.22	0.23
Canada	0.60	0.89	0.63	-0.55	0.64	-0.91	0.25	0.32	0.33
Czech Republic	0.81	0.94	0.83	-0.57	0.61	-0.81	0.02	0.16	0.24
Denmark	0.60	0.95	0.60	-0.75	0.83	-0.91	0.05	0.16	0.31
Finland	0.71	0.90	0.68	-0.64	0.77	-0.82	0.03	0.12	0.24
France	0.50	0.81	0.39	-0.43	0.60	-0.75	0.38	0.33	0.39
Germany	0.84	0.89	0.73	-0.49	0.54	-0.89	0.28	0.34	0.37
Greece	0.65	0.95	0.57	-0.58	0.73	-0.87	0.27	0.33	0.43
Hungary	0.62	0.85	0.60	-0.43	0.40	-0.86	0.20	0.29	0.28
Iceland	0.78	1.03	0.86	-0.61	0.76	-0.70	0.35	0.33	0.28
Ireland	0.81	1.00	0.76	-0.59	0.67	-0.84	0.20	0.25	0.36
Italy	0.49	0.94	0.50	-0.41	0.56	-0.68	0.10	0.15	0.18
Japan	0.89	0.91	0.86	-0.45	0.47	-0.86	0.28	0.27	0.25
Korea	0.56	0.96	0.74	-0.49	0.69	-0.83	0.27	0.34	0.33
Luxembourg	0.61	0.87	0.68	-0.37	0.45	-0.78	0.12	0.28	0.32
Mexico	0.80	0.97	0.86	-0.43	0.52	-0.77	0.33	0.36	0.37
Netherlands	0.75	0.93	0.73	-0.54	0.61	-0.85	0.35	0.56	0.50
New Zealand	0.62	0.94	0.48	-0.64	0.72	-0.83	0.08	0.16	0.24
Norway	0.74	0.78	0.62	-0.62	0.77	-0.81	0.41	0.43	0.43
Poland	0.71	1.03	0.75	-0.57	0.66	-0.82	0.27	0.17	0.28
Portugal	0.82	0.80	0.79	-0.40	0.65	-0.72	0.45	0.37	0.34
Slovak Republic	0.43	0.73	0.51	-0.56	0.60	-0.87	0.28	0.31	0.28
Spain	0.43	0.76	0.48	-0.25	0.53	-0.63	0.14	0.23	0.29
Sweden	0.92	0.99	0.86	-0.59	0.77	-0.78	0.14	0.39	0.38
Switzerland	0.63	0.64	0.18	-0.56	0.61	-0.85	0.10	0.18	0.24
Turkey	0.65	0.89	0.62	-0.47	0.62	-0.80	0.37	0.25	0.34
United Kingdom	0.75	0.89	0.82	-0.60	0.73	-0.80	0.26	0.44	0.40
United States	0.79	0.98	0.87	-0.54	0.55	-0.86	0.29	0.31	0.27
OECD	0.66	0.90	0.67	-0.52	0.62	-0.80	0.23	0.29	0.33

Table B.1  
**Latent correlations among selected measures used in the teaching and learning analytical model** (continued)

Approaches to learning and learning environment						
Latent correlations between:						
	Competitive learning	Interest in and enjoyment of mathematics	Teacher support	Attitudes towards school	Attitudes towards school	Student-teacher relations
	Co-operative learning	Instrumental motivation to learn mathematics	Disciplinary climate	Student-teacher relations	Sense of belonging at school	Sense of belonging at school
Australia	0.20	0.61	0.32	0.63	0.30	0.34
Austria	0.27	0.60	0.18	0.57	0.19	0.16
Belgium	0.26	0.73	0.12	0.67	0.43	0.37
Canada	0.12	0.67	0.30	0.48	0.39	0.16
Czech Republic	0.08	0.59	0.24	0.59	0.42	0.28
Denmark	0.31	0.67	0.35	0.73	0.41	0.26
Finland	-0.01	0.64	0.31	0.55	0.32	0.29
France	0.23	0.70	0.20	0.58	0.25	0.19
Germany	0.29	0.56	0.23	0.58	0.29	0.26
Greece	0.45	0.66	0.23	0.58	0.38	0.24
Hungary	0.17	0.67	0.23	0.50	0.26	0.18
Iceland	0.25	0.68	0.18	0.65	0.32	0.20
Ireland	0.18	0.60	0.35	0.64	0.37	0.15
Italy	0.24	0.68	0.26	0.60	0.43	0.22
Japan	0.44	0.68	0.23	0.44	0.45	0.42
Korea	0.84	0.72	a	0.48	0.34	0.21
Luxembourg	0.29	0.65	0.10	0.68	0.21	0.21
Mexico	0.70	0.67	0.22	0.36	0.43	0.42
Netherlands	0.24	0.59	0.33	0.65	0.43	0.13
New Zealand	0.18	0.50	0.35	0.58	0.35	0.25
Norway	0.15	0.68	0.24	0.81	0.35	0.25
Poland	0.35	0.70	0.18	0.53	0.18	0.19
Portugal	0.57	0.65	0.15	0.38	0.40	0.14
Slovak Republic	-0.02	0.69	0.07	0.53	0.45	0.28
Spain	0.50	0.72	0.09	0.53	0.33	0.17
Sweden	0.26	0.59	0.29	0.59	0.39	0.22
Switzerland	0.09	0.71	0.08	0.63	0.53	0.40
Turkey	0.62	0.68	0.05	0.55	0.25	0.25
United Kingdom	0.33	0.62	0.42	0.65	0.33	0.27
United States	0.48	0.66	0.25	a	a	a
OECD	0.35	0.61	0.20	0.61	0.37	0.26



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