

TABLE II  
Teacher mathematical knowledge.

Variable:	Primary (all grades)		Primary (grade 3)		Pre-media/ciclo III		Pre-service	
	Panama	C. Rica	Panama	C. Rica	Panama	C. Rica	Panama	C. Rica
<i>Content knowledge:</i>								
Grade 3 content	83.4 (10.2)	91.2** (9.5)	83.6 (10.3)	90.0* (10.4)	89.4 (7.9)	95.6** (5.4)	67.3 (19.4)	94.8** (10.6)
Grade 7 content	50.5 (21.8)	76.3** (17.0)	48.9 (20.6)	76.0* (16.9)	82.8 (14.7)	95.0** (8.0)	40.3 (19.4)	87.0** (14.0)
<i>Pedagogical content knowledge (PCK)</i>								
Grade 3 PCK	38.5 (15.8)	50.2** (16.7)	42.8 (16.5)	50.0* (17.1)	47.2 (19.5)	51.3 (24.2)	27.2 (15.8)	43.3** (22.5)
Grade 7 PCK	—	—	—	—	56.6 (23.3)	59.3 (35.8)	11.5 (13.9)	56.7 (27.9)
<i>Correlation with:</i>								
Grade 3 content	0.21**	0.07	0.18	0.21	0.38**	-0.03	0.37*	0.16
Grade 7 content	0.28**	0.16*	0.20	0.04	-0.06	0.26*	0.24	-0.23*
Pedagogy classes	0.21	0.01	0.39**	-0.01	—	0.02	0.22	0.37**
Content classes	0.15	-0.05	0.38**	-0.07	0.21	-0.17	0.04	-0.20

Source: Panama Survey, 2006.

Notes: Asterisks used to denote statistically significant differences between category average and remainder of teachers (\*=0.10 level, \*\*=0.05 level).