

Table 400.—Instructional practices and time spent teaching mathematics in 8th-grade, by country: 1999

Country	Percent of students reporting almost always or pretty often					Number of hours mathematics is taught weekly							
	We discuss our completed homework	Teacher shows us how to do mathematics	We work on worksheets or textbooks on our own	We work on mathematics projects	We begin our homework	Less than 2 hours		At least 2, but less than 3.5 hours		At least 3.5, but less than 5 hours		5 hours or more	
						Percent	Mean score	Percent	Mean score	Percent	Mean score	Percent	Mean score
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Australia	44 (1.8)	93 (0.7)	91 (1.2)	25 (1.7)	56 (1.6)	3 (1.4)	565 (30.5)	50 (4.6)	517 (6.7)	44 (4.4)	534 (7.7)	3 (1.7)	530 (46.0)
Belgium (Flemish)	43 (1.4)	69 (0.9)	64 (1.0)	16 (1.1)	20 (1.4)	13 (3.4)	502 (18.9)	43 (3.8)	544 (7.7)	40 (2.8)	595 (4.1)	4 (1.0)	590 (11.7)
Bulgaria	48 (1.9)	89 (1.0)	32 (1.2)	15 (1.0)	21 (1.4)	14 (3.3)	543 (9.0)	73 (4.6)	498 (5.0)	8 (2.3)	525 (27.0)	4 (3.0)	606 (29.5)
Canada	62 (1.4)	92 (0.5)	92 (0.5)	28 (1.1)	82 (1.2)	¹ 3 (0.9)	503 (6.3)	¹ 26 (2.7)	523 (6.1)	¹ 55 (3.2)	544 (3.9)	¹ 17 (2.2)	520 (6.4)
Chile	47 (1.3)	89 (0.9)	40 (1.1)	46 (1.6)	55 (1.2)	1 (0.7)	—	3 (1.3)	414 (12.7)	83 (2.8)	391 (5.0)	13 (2.4)	394 (13.7)
Chinese Taipei	55 (1.0)	91 (0.5)	59 (1.2)	55 (1.2)	34 (1.0)	0 (0.0)	—	51 (4.5)	577 (5.5)	48 (4.4)	592 (5.8)	1 (1.1)	—
Cyprus	72 (1.1)	92 (0.7)	67 (1.0)	29 (1.0)	52 (2.3)	0 (0.0)	—	100 (0.0)	476 (1.8)	0 (0.0)	—	0 (0.0)	—
Czech Republic	42 (1.8)	86 (1.1)	51 (2.4)	8 (0.6)	16 (1.6)	0 (0.0)	—	44 (4.4)	517 (6.4)	52 (4.4)	517 (5.3)	4 (2.1)	600 (28.1)
England	62 (1.5)	93 (0.7)	88 (1.5)	35 (1.4)	27 (1.6)	² 0 0.2	—	² 95 (2.0)	512 (5.3)	² 3 (1.4)	481 (10.2)	² 2 (1.2)	—
Finland	37 (1.3)	67 (1.3)	90 (1.0)	7 (0.8)	47 (2.0)	4 (1.5)	518 (12.2)	87 (2.9)	520 (2.9)	7 (2.4)	535 (14.0)	1 (0.9)	—
Hong Kong, SAR	35 (1.1)	91 (0.6)	69 (1.2)	67 (1.4)	40 (1.1)	3 (1.5)	553 (16.7)	17 (3.1)	587 (11.1)	71 (4.0)	583 (5.6)	9 (2.3)	579 (15.2)
Hungary	71 (1.5)	87 (1.0)	63 (1.7)	96 (0.4)	18 (1.2)	1 (0.8)	—	80 (2.9)	531 (3.9)	15 (2.7)	522 (12.6)	3 (1.1)	583 (34.4)
Indonesia	48 (1.0)	88 (0.6)	36 (1.5)	86 (0.9)	13 (0.7)	3 (1.2)	409 (27.4)	1 (0.2)	—	76 (3.8)	408 (6.1)	21 (3.7)	384 (9.4)
Iran, Islamic Republic	56 (1.0)	82 (0.7)	45 (0.9)	30 (1.1)	34 (1.3)	24 (4.0)	429 (5.7)	50 (4.8)	423 (4.9)	14 (2.9)	413 (8.9)	12 (2.6)	419 (11.4)
Israel	64 (1.3)	90 (0.6)	72 (1.2)	20 (1.0)	65 (1.5)	² 1 (1.2)	—	¹ 29 (3.9)	481 (8.5)	¹ 65 (4.1)	464 (5.8)	¹ 4 (1.5)	470 (28.7)
Italy	64 (1.4)	80 (1.2)	34 (1.2)	22 (1.3)	39 (2.3)	6 (1.8)	484 (10.3)	29 (4.0)	475 (7.4)	55 (3.8)	483 (5.3)	9 (2.1)	469 (11.5)
Japan	19 (1.2)	88 (0.7)	38 (1.5)	6 (0.7)	20 (1.3)	2 (0.9)	—	95 (2.0)	577 (2.1)	2 (1.3)	—	1 (1.3)	—
Jordan	76 (0.9)	92 (0.6)	45 (1.1)	40 (1.4)	59 (1.1)	0 (0.0)	—	88 (2.8)	424 (3.7)	7 (2.2)	439 (20.1)	5 (1.9)	463 (21.0)
Korea	10 (0.5)	85 (0.8)	29 (0.7)	46 (1.2)	17 (0.7)	3 (1.1)	587 (11.7)	93 (1.8)	587 (2.1)	3 (1.1)	602 (9.6)	2 (0.9)	—
Latvia (Latvian-speaking schools)	48 (1.8)	86 (1.0)	54 (1.2)	—	28 (1.6)	0 (0.0)	—	31 (4.2)	491 (5.6)	62 (3.9)	516 (4.6)	7 (2.5)	487 (17.2)
Lithuania ³	—	—	—	—	—	—	—	—	—	—	—	—	—
Macedonia, Republic of	72 (1.3)	86 (0.8)	66 (1.6)	37 (1.1)	30 (1.4)	1 (0.6)	—	97 (1.2)	447 (4.4)	2 (1.0)	—	0 (0.0)	—
Malaysia	61 (1.0)	92 (0.5)	13 (0.7)	68 (1.1)	67 (1.3)	5 (1.8)	533 (24.0)	93 (2.1)	520 (4.6)	2 (1.2)	—	0 (0.0)	—
Moldova	61 (1.3)	91 (0.8)	66 (1.7)	52 (1.6)	32 (1.6)	7 (1.9)	467 (19.7)	5 (1.5)	485 (18.0)	80 (3.3)	466 (4.5)	8 (2.4)	481 (17.9)
Morocco	⁴ 69 (0.8)	86 (0.6)	⁴ 53 (1.0)	⁴ 49 (1.1)	⁴ 53 (1.2)	1 (0.6)	—	3 (1.0)	338 (10.5)	0 0.0	—	96 (1.1)	337 (2.9)
Netherlands	68 (3.7)	70 (2.7)	92 (1.1)	3 (0.7)	89 (1.5)	0 (0.0)	—	100 (0.5)	537 (7.2)	0 (0.0)	—	0 (0.0)	—
New Zealand	55 (1.8)	92 (0.6)	89 (1.0)	33 (1.5)	43 (1.7)	2 (1.1)	—	41 (3.8)	488 (8.3)	56 (3.9)	494 (7.0)	1 (0.0)	—
Philippines	78 (0.8)	87 (0.8)	64 (1.0)	56 (1.2)	49 (1.1)	3 (0.9)	361 (22.5)	78 (3.4)	343 (7.1)	8 (2.5)	384 (33.0)	11 (2.5)	326 (15.0)
Romania	62 (1.4)	83 (0.9)	49 (1.1)	38 (2.0)	27 (1.6)	10 (2.4)	481 (15.3)	70 (3.9)	471 (6.8)	12 (2.3)	483 (12.0)	9 (2.5)	477 (21.8)
Russian Federation	53 (1.4)	78 (1.2)	62 (1.3)	19 (0.9)	10 (0.8)	0 (0.0)	—	32 (3.8)	513 (8.5)	57 (4.1)	528 (7.7)	11 (2.5)	553 (13.4)
Singapore	61 (1.0)	97 (0.4)	75 (0.9)	15 (1.1)	60 (1.9)	5 (2.0)	608 (20.0)	48 (4.0)	623 (7.5)	37 (3.8)	586 (11.2)	9 (2.3)	592 (24.7)
Slovak Republic	59 (1.9)	81 (1.0)	53 (1.6)	11 (0.8)	39 (1.9)	0 (0.0)	—	44 (4.7)	534 (6.1)	50 (4.8)	534 (5.3)	5 (2.1)	503 (15.2)
Slovenia	60 (1.7)	76 (1.5)	57 (1.8)	19 (0.9)	28 (1.9)	0 (0.0)	—	74 (4.1)	528 (3.3)	26 (4.1)	537 (4.5)	0 (0.0)	—
South Africa	72 (0.8)	83 (0.7)	67 (1.2)	59 (1.4)	69 (1.1)	10 (2.4)	273 (17.2)	23 (3.5)	269 (13.3)	58 (4.2)	277 (8.8)	9 (2.6)	275 (24.4)
Thailand	29 (1.2)	91 (0.7)	52 (1.1)	19 (1.0)	80 (0.9)	² 2 (1.4)	—	¹ 58 (5.1)	461 (7.3)	¹ 9 (3.3)	448 (18.5)	¹ 30 (4.9)	483 (11.4)
Tunisia	63 (1.2)	85 (0.9)	57 (1.0)	77 (0.7)	32 (1.1)	1 (1.0)	—	12 (2.6)	441 (6.7)	86 (2.8)	448 (2.8)	1 (1.0)	—
Turkey	35 (1.1)	84 (0.7)	38 (0.9)	22 (0.8)	21 (1.2)	¹ 13 (2.7)	427 (11.0)	¹ 77 (3.4)	429 (5.0)	¹ 5 (1.6)	415 (10.5)	¹ 5 (1.6)	418 (16.3)
United States	79 (1.2)	94 (0.6)	86 (0.7)	29 (1.3)	74 (1.6)	11 (2.3)	491 (14.5)	17 (2.6)	528 (11.6)	56 (3.4)	501 (4.9)	16 (2.2)	490 (9.2)

—Not available.

¹ Teacher response data available for 70 to 84 percent of students.² Teacher response data available for 50 to 69 percent of students.³ Lithuania tested the same cohort of students as other countries, but later in 1999, at the beginning of the next school year.⁴ Student response rate 70–84 percent.

NOTE: Data are for 8th grade or equivalent in most countries. Detail may not sum to totals due to rounding. Standard errors appear in parentheses.

SOURCE: International Association for the Evaluation of Educational Achievement, *Third International Mathematics and Science Study 1999*, International Mathematics Report, by Ina V.S. Mullis et al. Copyright © 2000 International Association for the Evaluation of Educational Achievement (IEA). (This table was prepared June 2001.)