

Appendix F

Syrian Arab Republic and Yemen - Mathematics Achievement

Exhibit F.1: Syrian Arab Republic – Selected Mathematics Achievement Results



Distribution of Mathematics Achievement							
Mean Achievement	Years of Schooling	Average Age	5th Percentile (Scale Score)	25th Percentile (Scale Score)	50th Percentile (Scale Score)	75th Percentile (Scale Score)	95th Percentile (Scale Score)
358 (3.7)	8	14	232 (3.7)	303 (3.1)	356 (4.2)	410 (3.9)	491 (7.4)

Gender Difference in Mathematics Achievement		
Mathematics Achievement	Girls' Mean	Boys' Mean
358 (3.7)	352 (3.6)	355 (6.1)

▲ Significantly higher than other gender

Average Achievement in Mathematics Content Areas by Gender			
Content Area	Girls' Mean	Boys' Mean	Overall Mean
Number	363 (4.2)	365 (5.3)	368 (4.0)
Algebra	373 (2.8) ▲	361 (4.9)	371 (3.1)
Measurement	369 (3.6)	383 (4.9) ▲	381 (3.3)
Geometry	397 (4.2)	397 (6.1)	400 (3.3)
Data	362 (4.0)	370 (4.5)	369 (3.2)

▲ Significantly higher than other gender

Percentages of Students Reaching International Benchmarks in Mathematics			
Advanced International Benchmark (625)	High International Benchmark (550)	Intermediate International Benchmark (475)	Low International Benchmark (400)
0 (0.0)	1 (0.3)	7 (0.9)	29 (1.6)

() Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

Exhibit F.2: Yemen – Selected Mathematics Achievement Results

Distribution of Mathematics Achievement							
Mean Achievement	Years of Schooling	Average Age	5th Percentile (Scale Score)	25th Percentile (Scale Score)	50th Percentile (Scale Score)	75th Percentile (Scale Score)	95th Percentile (Scale Score)
278 (7.4)	4	11	99 (5.9)	196 (7.0)	273 (6.9)	355 (10.2)	473 (12.4)

Gender Difference in Mathematics Achievement		
Mathematics Achievement	Girls' Mean	Boys' Mean
278 (7.4)	275 (8.7)	282 (8.7)

▲ Significantly higher than other gender

Average Achievement in Mathematics Content Areas by Gender			
Content Area	Girls' Mean	Boys' Mean	Overall Mean
Number	294 (8.3)	303 (8.2)	299 (6.8)
Patterns and Relationships	283 (8.1)	304 (8.5)	296 (6.0)
Measurement	249 (10.4)	263 (8.7)	256 (7.5)
Geometry	284 (8.8)	269 (8.5)	274 (6.9)
Data	284 (6.7)	289 (7.4)	286 (6.0)

▲ Significantly higher than other gender

Percentages of Students Reaching International Benchmarks in Mathematics			
Advanced International Benchmark (625)	High International Benchmark (550)	Intermediate International Benchmark (475)	Low International Benchmark (400)
0 (0.1)	1 (0.4)	5 (1.1)	15 (1.9)

() Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.