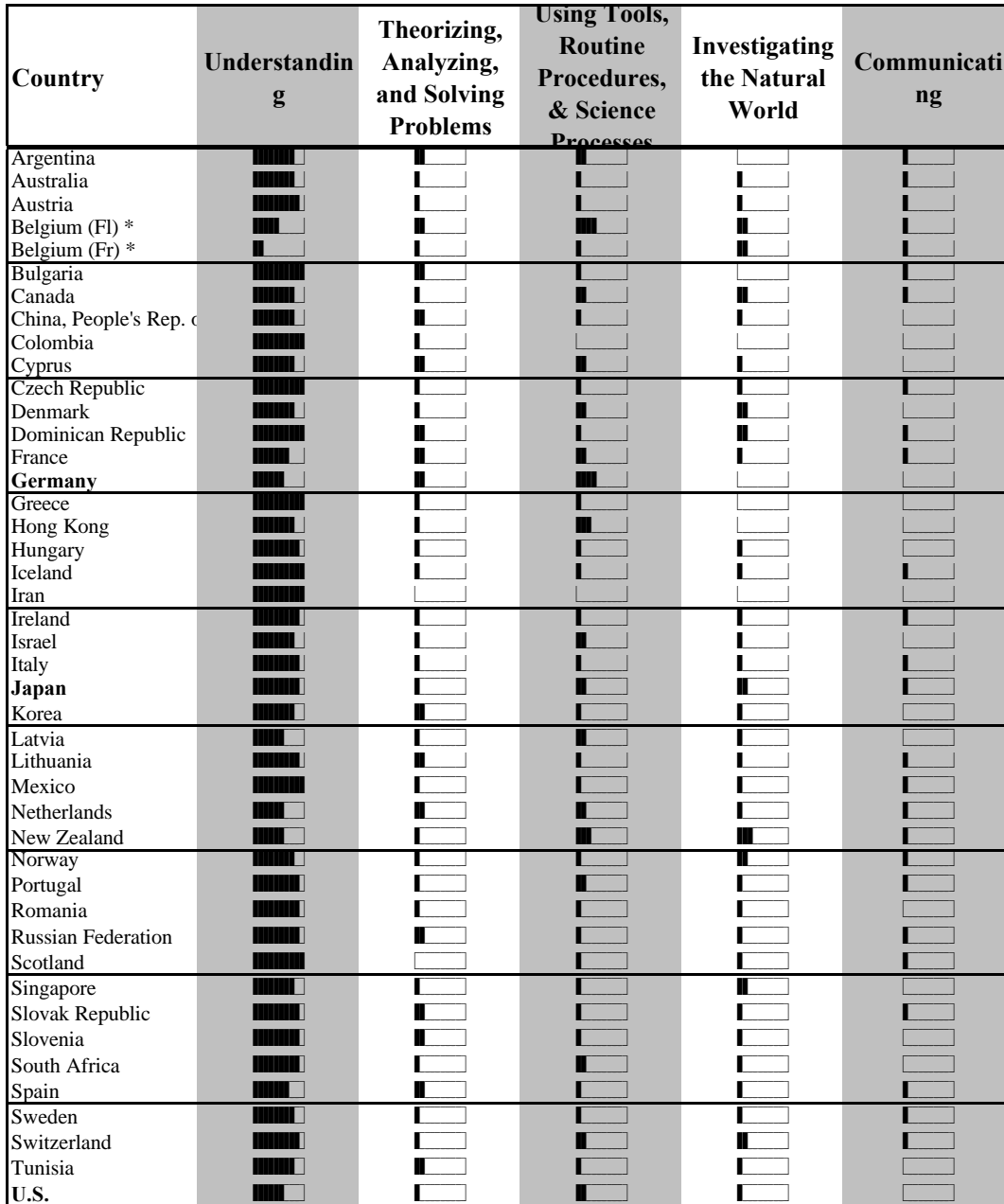


Exhibit 25. Textbook space devoted to major Population 2 science performance expectations. U.S. textbook performance expectations in grade 8 science emphasized 'understanding' almost to the exclusion of all other expectations except 'using tools, routine procedures, and science processes.' This emphasis on 'understanding' was typical internationally. [The bars represent the percentage of blocks devoted to each of the five most inclusive performance expectation categories in science textbooks for the upper grade of Population 2 (grade 8). Bars represent the average over all TIMSS countries and the U.S., Germany, and Japan specifically.]



* The national Research Coordinators of Belgium have collected data only from curriculum guides. Due to the great level of detail of guides, and their extensive use, data from these are compared in this display with the textbook data supplied from all other countries.

Note: Percentages across all categories do not sum to 100% because of the multiple codings associated with some blocks.

Missing data: Philippines, Thailand; Germany did not code Biology text.

