

Exhibit 38. Schematic overview of a selection from a U.S. Population 2 mathematics textbook. The U.S. textbook covers far more topics than the Japanese text (as shown by the numbers of rows for each). There are fewer row segments that indicate more extended attention to a topic. There is more skipping among topics. [Our goal in this exhibit is a general impression, not complex detail. We mark every block (small segment identified as a unit of analysis). Each column corresponds to one block. We present the blocks sequentially through the pages of the textbook. The four diagrams represent one book partitioned into four arbitrary pieces going from left to right and top to bottom. Each row represents a different content topic from the TIMSS' mathematics framework. Shadings in a column show the topics identified for that block. Numbers correspond to codes from the mathematics framework - see reference.]



