MATHEMATICAL ARRAY

A. Determine the number of ways of spelling “mathematics” in the array below by following a path from top to bottom in which each letter is directly below, and just to the right or left of the previous letter.

					M					
				A		A				
			T		T		T			
		H		H		H		H		
	E		E		E		E		E	
M		M		M		M		M		M
	A		A		A		A		A	
		T		T		T		T		
			I		I		I			
				C		C				
					S					

[Adapted from: New Jersey Mathematics Curriculum Framework]