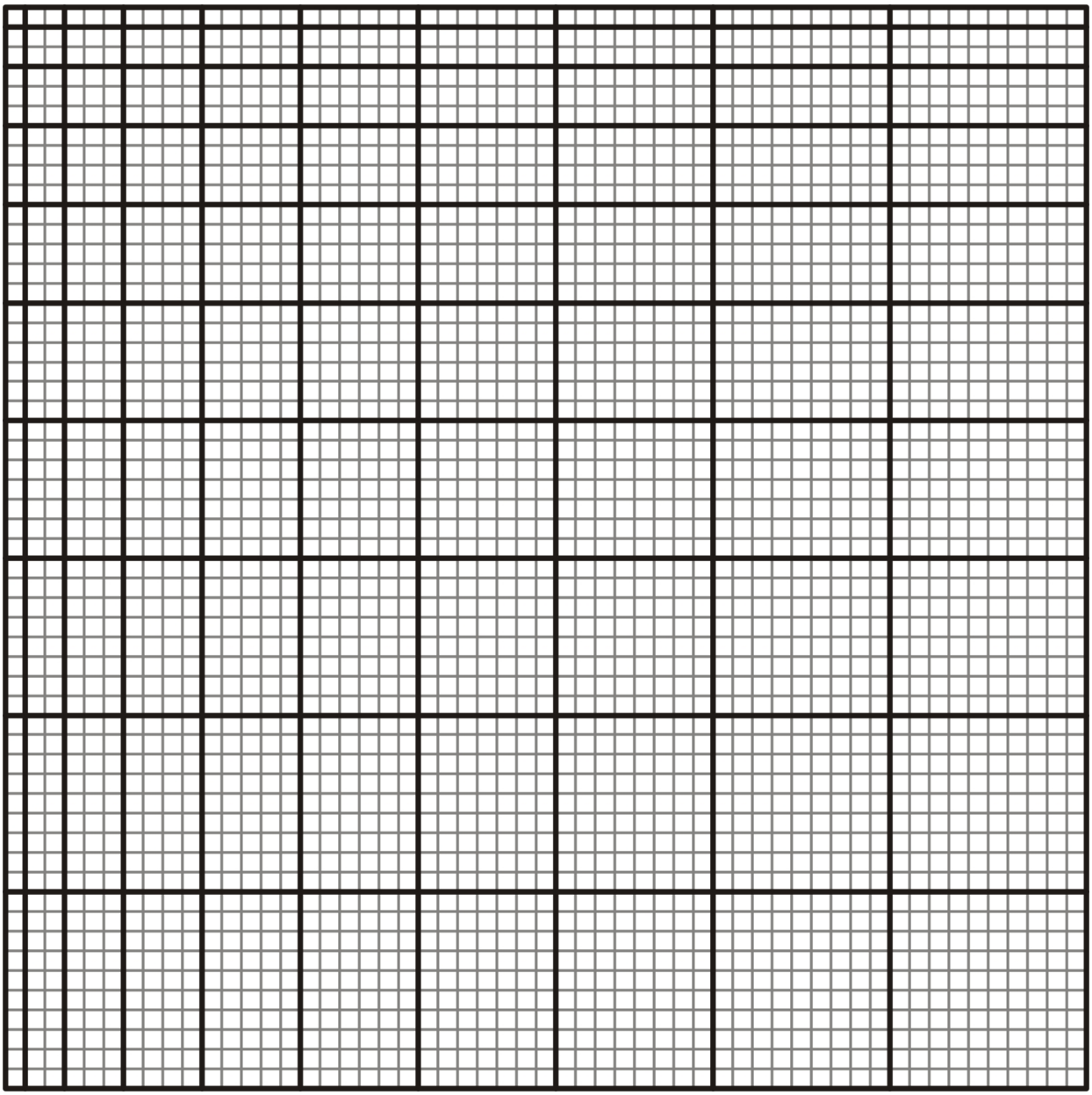
Spatial Multiplication Table



MATH JOKES 4 MATHY FOLKS

Multiplication Tables

1. In the 2 × 3 multiplication table below, the numbers 2, 3, 5, 7 and 11 are used to replace the variables *a*, *b*, *c*, *d*, and *e*. The six products are then found, and the sum of the products is calculated. What is the maximum possible sum of the six products?

×	*a*	*b*	*c*
d			
e			

2. What is the *minimum* possible sum of the six products?

3. A standard 9 × 9 multiplication table is shown. What is the sum of all 81 entries?

×	1	2	3	4	5	6	7	8	9
1									
2									
3									
4									
5									
6									
7									
8									
9									