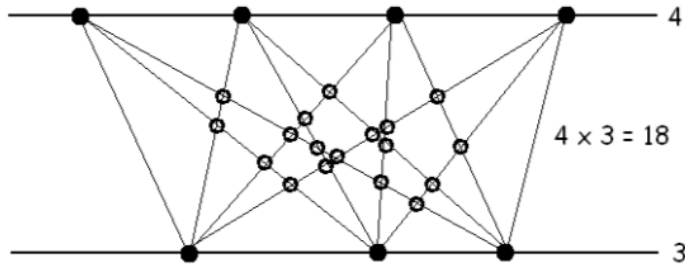


# 1 Intersection Math

Here's a new type of math called intersection math. To compute the product of two numbers, say four times three, draw two horizontal lines, place four dots on the top line, three on the bottom, and then connect each dot on the top line to each and every dot on the bottom line. The number of intersections that occur between the two horizontal lines is the product. (One must make sure that the dots are sufficiently spaced so that no point of intersection is crossed multiple times.) In intersection math,  $4 \times 3 = 18$ .



1. Is  $3 \times 4$  also 18 in intersection math? If so, why?
2. What is  $1 \times 107$  in intersection math?
3. Draw a six-by-six multiplication table for intersection math. What patterns do you notice?

	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						

4. What's  $201 \times 16$  in intersection math?