



Next on the trip is a visit to an amazing place – The National Museum of Mathematics in New York City. As we arrive, however, the director rushes up to us, and explains she needs our help. Somebody snuck in and started replacing all of their math facts with math lies (AKA “alternative facts”). Conspiracy theories are already spreading that it was a space alien from the *fifth* dimension attempting to destroy our civilization by infecting it with fake math. How dastardly!

As we can see, they managed to get in four or five math lies (we know that $24 + 25 \neq 2 + 3$), but they appear to have been interrupted and then just left a bunch of confused gibberish. We must cut out these eleven heptominoes* and arrange them back into real math facts - facts that fit the framework of our mathematical knowledge – which everyone knows is a seven by eleven rectangle. Civilization depends on it!

I mean, face it, math is like two perpendicular lines...

07					-	
8	=	91	+		=	4
L		4			+	21
6	-	9	=	1	+	4
3	-	2	x	4	=	1
22	=	18	÷	6	x	12
21	=	16	÷	26	-	23
24	+	25	=	2	+	3
20	-	7	x	10	+	1
	-	7	÷	22	=	5
	x	x	7	=	14	13
25	+	11	L1		5	= 20 ÷
19	=	8				

*FYI: Just as dominoes are made of two squares:
and pentominoes are made of five squares:
heptominoes are clusters of seven squares joined along edges.

