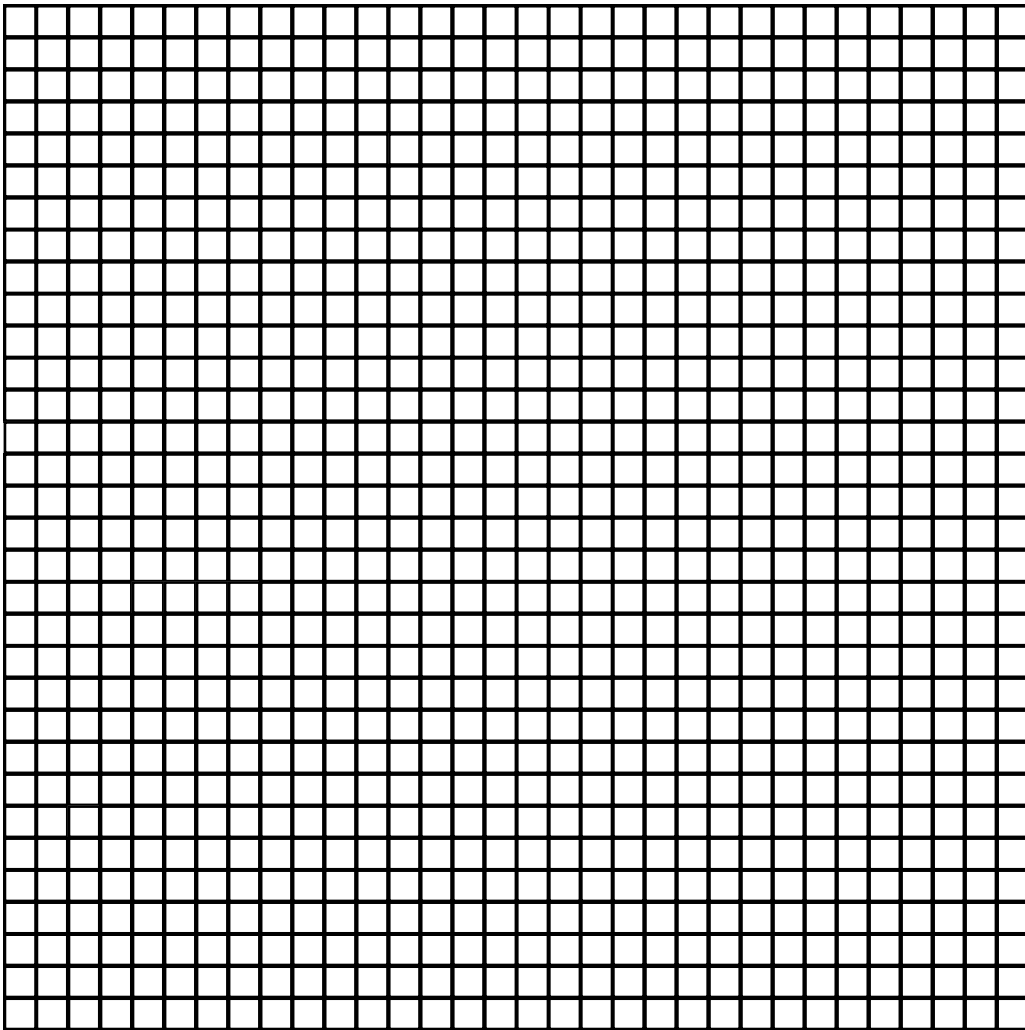
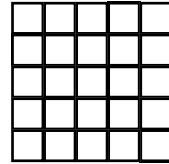
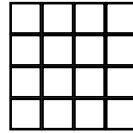
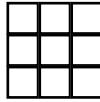


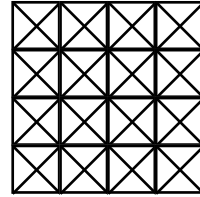
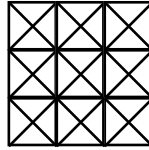
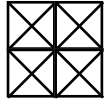
Tim's Squares

How many squares in each of the diagrams below?

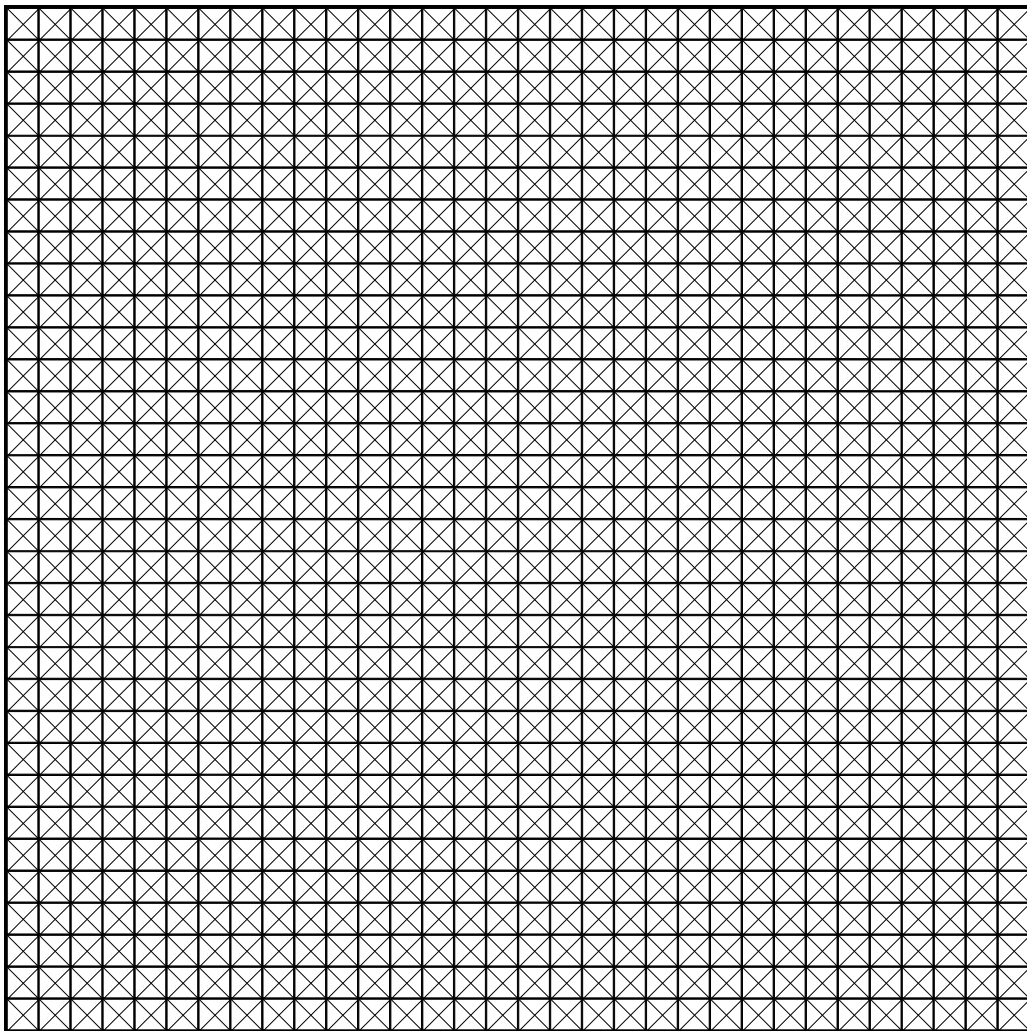


Tim's Triangles

How many triangles in each of the diagrams below?



And, finally, the MONSTER!!



This spreadsheet gives what I think is the correct solution to Tim's Triangles (the monster version)

Tim's Triangles									
Orthogonal Triangles					Oblique Triangles				
32	x	32	=	1024	32	x	32	=	1024
32	x	31		992	31	x	31	=	961
31	x	30		930	30	x	30	=	900
31	x	29		899	29	x	29	=	841
30	x	28		840	28	x	28	=	784
30	x	27		810	27	x	27	=	729
29	x	26		754	26	x	26	=	676
29	x	25		725	25	x	25	=	625
28	x	24		672	24	x	24	=	576
28	x	23		644	23	x	23	=	529
27	x	22		594	22	x	22	=	484
27	x	21		567	21	x	21	=	441
26	x	20		520	20	x	20	=	400
26	x	19		494	19	x	19	=	361
25	x	18		450	18	x	18	=	324
25	x	17		425	17	x	17	=	289
24	x	16		384	16	x	16	=	256
24	x	15		360	15	x	15	=	225
23	x	14		322	14	x	14	=	196
23	x	13		299	13	x	13	=	169
22	x	12		264	12	x	12	=	144
22	x	11		242	11	x	11	=	121
21	x	10		210	10	x	10	=	100
21	x	9		189	9	x	9	=	81
20	x	8		160	8	x	8	=	64
20	x	7		140	7	x	7	=	49
19	x	6		114	6	x	6	=	36
19	x	5		95	5	x	5	=	25
18	x	4		72	4	x	4	=	16
18	x	3		54	3	x	3	=	9
17	x	2		34	2	x	2	=	4
17	x	1		17	1	x	1	=	1
Total:				14296					11440
Grand Total:				4(14296 + 11440) =				102944	