Example

Find two prime numbers which add up to the number in the box

The Goldbach Conjecture is a yet unproven conjecture stating that every even integer greater than two is the sum of two prime numbers. The conjecture has been tested up to 400,000,000,000,000. Goldbach's conjecture is one of the oldest unsolved problems in number theory and in all of mathematics.

1	106	=	~~105 + 1~~	1 is not prime, 105 is not prime
			~~104 + 2~~	2 is prime, but 104 is not prime
			103 + 3	Success! 3 and 103 are both prime!
2	34	=	~~33 + 1~~	1 is not prime, 33 is not prime
			~~32 + 2~~	2 is prime, but 32 is not prime
			31 + 3	Success! 3 and 31 are both prime!

Prime numbers between 1 and 200

2	3	5	7	11	13	17	19
23	29	31	37	41	43	47	53
59	61	67	71	73	79	83	89
97	101	103	107	109	113	127	131
137	139	149	151	157	163	167	173
179	181	191	193	197	199		

Goldbach's Guinnea Pigs

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1	186	=	11	74	=
2	32	=	12	170	=
3	198	=	13	120	=
4	98	=	14	108	=
5	26	=	15	28	=
6	16	=	16	134	=
7	146	=	17	106	=
8	8	=	18	166	=
9	62	=	19	26	=
10	174	=	20	110	=

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1	110	=	11	200	=
2	14	=	12	70	=
3	36	=	13	40	=
4	88	=	14	106	=
5	100	=	15	66	=
6	162	=	16	32	=
7	156	=	17	18	=
8	96	=	18	12	=
9	68	=	19	152	=
10	174	=	20	124	=

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1	84	=	11	184	=
2	62	=	12	24	=
3	68	=	13	156	=
4	202	=	14	166	=
5	96	=	15	162	=
6	132	=	16	90	=
7	116	=	17	146	=
8	124	=	18	72	=
9	140	=	19	176	=
10	166	=	20	26	=

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