

# MY SECRET NUMBER

(Updated February 24, 2019)

**My Secret Number** is a simple two-player mathematical deduction game. Guess your opponent's secret number to score.

Card # 4						Card # 2					
YOUR NUMBERS			OPPONENT'S NUMBERS			OPPONENT'S NUMBERS			YOUR NUMBERS		
10	12	13	16	17	18	110	116	183	234		
19	20	21	22	25	26	275	298	302	337		
27	28	29	30	32	33	355	365	395	414		
34	35	38	39	40	41	423	466	467	472		
42	43	45	46	48	49	483	489	498	508		
51	52	53	54	58	59	534	552	558	593		
62	63	64	65	66	67	616	629	636	639		
68	70	71	72	74	76	652	656	683	742		
77	78	81	82	83	84	751	758	768	778		
86	87	89	90	91	92	802	830	842	885		
93	94	96	97	98	99	922	935	978	988		

## COMPONENTS:

100 cards with sets of random numbers, two laser-cut scoreboards.

## **SETUP:**

Find five sets of identical cards. Give each player five cards. Decide who will play red and who will be blue. Reset all scores to zero. Give each player a paper and pen(cil) to help with making assumptions.

Play at least five rounds or until someone hits or exceeds 100 points.

## **GAME PLAY:**

Each player discretely picks the secret number of their colour and writes it down on a piece of paper and hides it.

Players then take turns asking at least five mathematical questions about their opponent's number. The questions can be one of the following:

- Is the sum of digits of your secret number X ?
- Is your number a multiple of X ?
- Is the product of the (first/last two) digits X ?
- Is the different between (first/last) two digits X ?
- Can your (first/last two) digits be evenly divided ?
- Can your number be evenly divided ?
- Is the sum of (first/last two) digits less/greater than X ?
- Is the sum of the first/last two digits X ?

Mark off your assumptions on the card. When you have assumed you have your opponent's number, make a guess.

If you are correct, the opponent has one chance to guess your number. If you are incorrect, your opponent can make a guess even if they are not ready.

If both guesses are correct, both will score. Otherwise, the only a winning player adjusts their score.

Keep asking questions and guessing numbers until someone hits the number.

## **SCORING:**

Add the digits of opponent's secret number to your score. For example, if you guessed 72, add 9 to your score. The first player to reach or exceed 100 points is the winner.