

# Mystery Number Trick (A)

Cut out the mystery number trick cards and amaze your friends.

32	33	34	35
36	37	38	39
40	41	42	43
44	45	46	47
48	49	50	51
52	53	54	55
56	57	58	59
60	61	62	63

16	17	18	19
20	21	22	23
24	25	26	27
28	29	30	31
48	49	50	51
52	53	54	55
56	57	58	59
60	61	62	63

8	9	10	11
12	13	14	15
24	25	26	27
28	29	30	31
40	41	42	43
44	45	46	47
56	57	58	59
60	61	62	63

4	5	6	7
12	13	14	15
20	21	22	23
28	29	30	31
36	37	38	39
44	45	46	47
52	53	54	55
60	61	62	63

2	3	6	7
10	11	14	15
18	19	22	23
26	27	30	31
34	35	38	39
42	43	46	47
50	51	54	55
58	59	62	63

1	3	5	7
9	11	13	15
17	19	21	23
25	27	29	31
33	35	37	39
41	43	45	47
49	51	53	55
57	59	61	63

## Mystery Number Trick (A) Instructions

- ▼ Have your friend select one number from one card.
- ▼ Tell your friend to keep the number secret.
- ▼ Have your friend identify all the cards that have that number on it.
- ▼ Add the numbers in the target position on the identified cards.
- ▼ The sum will be the number your friend selected.

1	3	5	7
9	11	13	15
17	19	21	23
25	27	29	31
33	35	37	39
41	43	45	47
49	51	53	55
57	59	61	63

<--- Target Position is shown  
on this card with a border  
and a colored background.

Example:

- ▼ Your friend chooses 41, and keeps it a secret.
- ▼ Your friend identifies 3 cards that include the number 41.
- ▼ Those three cards have a 32, an 8 and a 1 in the target position.
- ▼ When you add 32, 8 and 1, you get 41.
- ▼ You tell your friend that their number was 41.
- ▼ Your friend is amazed!

Want to know how it works? Research binary number systems.