Other Number Prediction Cards

Predict a Number from 1 to 100
using an add and subtract method

Card 1

1	2	4	5	7	8	10	11	13	14
16	17	19	20	22	23	25	26	28	29
31	32	34	35	37	38	40	41	43	44
46	47	49	50	52	53	55	56	58	59
61	62	64	65	67	68	70	71	73	74
76	77	79	80	82	83	85	86	88	89
91	92	94	95	97	98	100			C1

Card 3

2	3	4	5	6	7	11	12	13	14
15	16	20	21	22	23	24	25	29	30
31	32	33	34	38	39	40	41	42	43
47	48	49	50	51	52	56	57	58	59
60	61	65	66	67	68	69	70	74	75
76	77	78	79	83	84	85	86	87	88
92	93	94	95	96	97				C3

Card 9

5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	32	33
34	35	36	37	38	39	40	41	42	43
44	45	46	47	48	49	59	60	61	62
63	64	65	66	67	68	69	70	71	72
73	74	75	76	86	87	88	89	90	91
92	93	94	95	96	97	98	99	100	C9

Card 27

14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	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
64	65	66	67	95	96	97	98	99	100
									C27

Card 81

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
									C81

Predict a Number from 1 to 100 using an add and subtract method

Procedure:

Note: These cards use **addition and subtraction of key numbers** to find the selected number**.**

Cut out the 5 cards. Cut the cards so the title card 1, card 3 ect. is not on the cut out card

Ask a student to think of a number from 1 to 100 inclusive. You then hand the student the 5 cards . You ask the student to look at the cards and find the cards that have their number on it. Tell them that their number may not be on all the cards. Be sure to ask them to look closely at the cards so they do not miss a number on one of the cards. Ask the student to **hand you each card that has their number on it one card at a time and to tell you if the number they selected is red or black.** After the cards with their number on them have been given back and the color of the number has been stated you announce their exact number!

How it's done:

As they hand you a card that has their number on it keep the cards divided into 2 groups one group of cards has their number in red and the other group has their number in black. Add the key number for each of the crds whose number was black and add the key card numbers of the cards whose number was in red. Their number will be the black total minus the red total. For these cards that key number is in the lower right corner as C1 ,C3 , C9 , C27 or C81.

Example 1

The student picks 50

They hand you 1 cards with their number in black.
The the key numbers for this card is 81

They hand you 3 cards with their number in red.
The sum of the key numbers for these cards are 1 + 3+ 27 = 31

Their number is the black key number minus the sum of the red key number 81 – 31 = 50

Their number is 50

Predict a Number from 1 to 100 with a different base

1	3	5	7	9	11	13	16	18	20
22	24	26	29	31	33	35	37	39	41
44	46	48	50	52	54	57	59	61	63
65	67	69	72	74	76	78	80	82	85
87	89	91	93	95	97	100			

2	3	6	7	10	11	14	17	18	21
22	25	26	30	31	34	35	38	39	42
45	46	49	50	53	54	58	59	62	63
66	67	70	73	74	77	78	81	82	86
87	90	91	94	95	98				

4	5	6	7	12	13	14	19	20	21
22	27	32	33	34	35	40	41	42	47
48	49	50	55	60	61	62	63	68	69
70	75	76	77	78	83	88	89	90	91
96	97	98							

8	9	10	11	12	13	14	23	24	25
26	27	36	37	38	39	40	41	42	51
52	53	54	55	64	65	66	67	68	69
70	79	80	81	82	83	92	93	94	95
96	97	98							

15	16	17	18	19	20	21	22	23	24
25	26	27	43	44	45	46	47	48	49
50	51	52	53	54	55	71	72	73	74
75	76	77	78	79	80	81	82	83	99
100									

28	29	30	31	32	33	34	35	36	37
38	39	40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55	84	85
86	87	88	89	90	91	92	93	94	95
96	97	98	99	100					

56	57	58	59	60	61	62	63	64	65
66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85
86	87	88	89	90	91	92	93	94	95
96	97	98	99	100					

Predict a Number from 1 to 100 with a different base

Procedure:

Cut out the 7 cards.

Ask a student to think of a number from 1 to 100 inclusive. You then hand the student all 7 cards . You ask the student to look at all the cards and hand you all the cards that have their number on it. Tell them that their number may not be on all the cards. Be sure to ask them to look closely at the cards so they do not miss a number on one of the cards. After the cards with their number on them have been given back you announce their exact number!

How it's done:

Find the **smallest number** on each of the cards given to you. For these cards the smallest number is in the top left square. Add up those numbers. The total will be the number that they thought of.

Example 1:

The student picks 30. The student hands you 2 cards

The smallest number on one card is 2
The smallest number on the other card is 28

Their number is 28 + 2 = 30

Example 2:

The student picks 68. The student hands you 2 cards

The smallest number on one card is 4
The smallest number on the second card is 8
The smallest number on the third card is 56

Their number is 56 + 8 + 4 = 68