

Making Math Fun!!!

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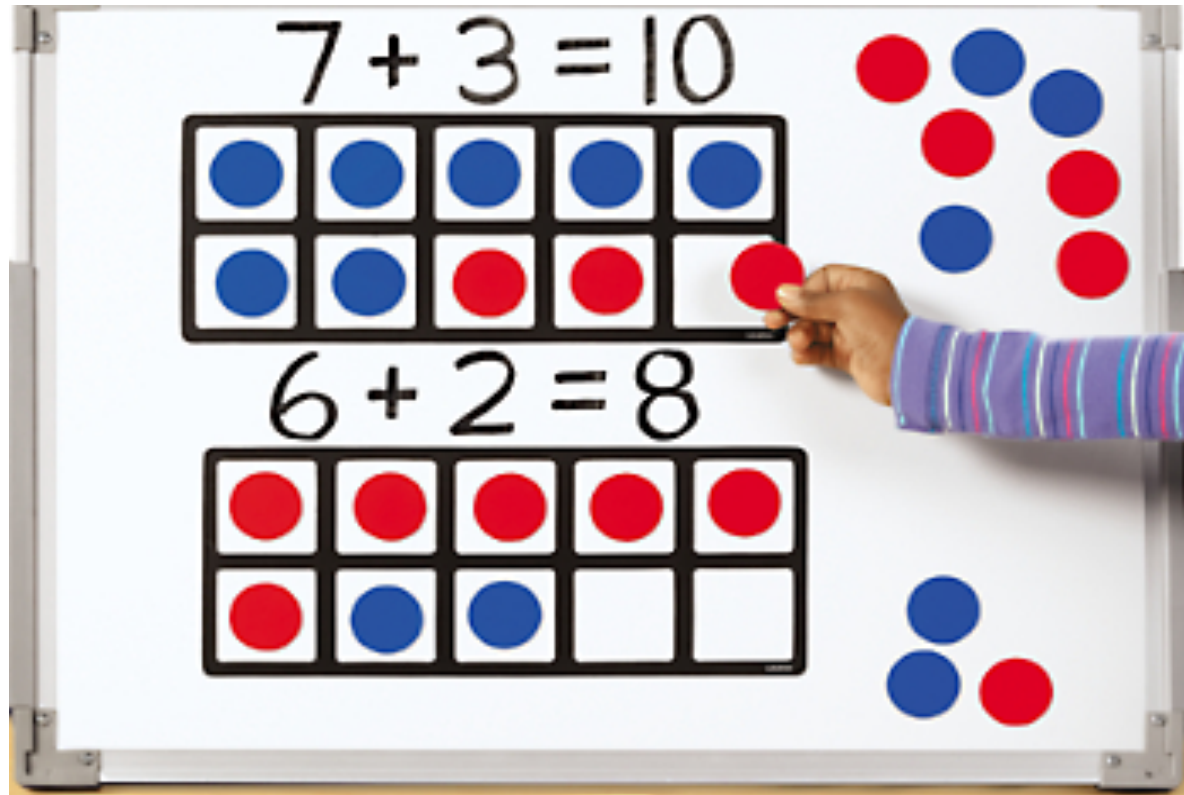
Deep Run Elementary

Goals for the Math Night

- Parents will learn strategies to help their child develop important number sense while playing fun games and using five frames and ten frames.
- Parents will receive a wipe on / wipe off board to reinforce the use of ten frames, hundred charts and number lines.
- Parents will learn why decomposing numbers helps build number sense.
- Parents will participate in several games to reinforce the use of the materials given. Parents will receive two 5 frames that they may use with their child to support counting and number sense.
 - Racing Reindeer
 - How many more to 10?
 - Ten Less, Ten More, 1 Less, 1 More
 - Hundreds Chart Puzzle
- Parents will learn how to use a number line to reinforce early addition and subtraction skills.

Doing Math the Easy Way?

Let's take a look at a ten frame:



How Many More to Ten?

I have 8.

●	●	●	●	●
●	●	●		

How many more
to 10?

I have 3.

●	●	●		

How many more
to 10?

I have 1.

●				

How many more
to 10?

I have 4.

●	●	●	●	

How many more
to 10?

I have 7.

●	●	●	●	●
●	●			

How many more
to 10?

I have 9.

●	●	●	●	●
●	●	●	●	

How many more
to 10?

Using Hundred Chart

Hundred Chart									
1	2	3	4	5	6	7	8	9	10
11	12	13	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	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

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Hundreds Chart Puzzle

The image shows a puzzle titled "Hundreds Chart Puzzles" on a grey background. A central red area contains a 10x10 grid with the following numbers:

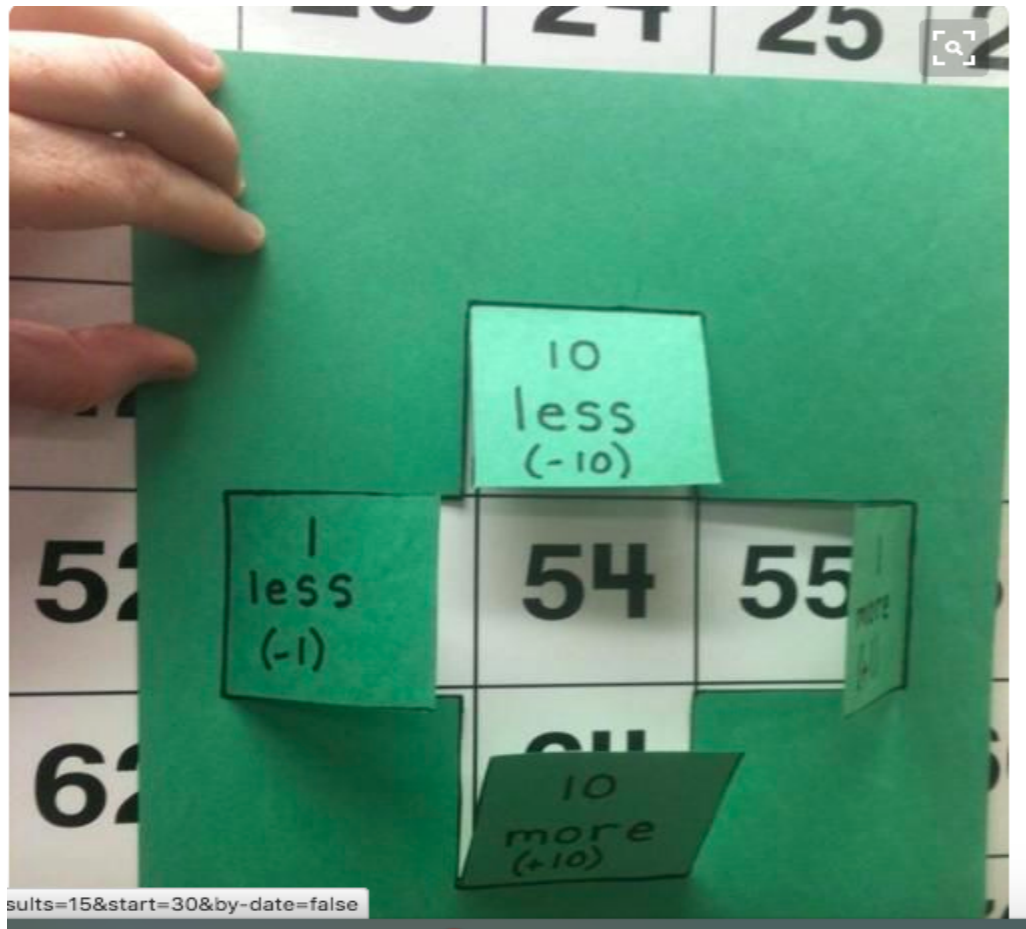
0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17		19
20	21			24					29
				34					39

Surrounding the grid are various number tiles, some of which are already placed in the grid. The tiles include:

- 37, 47, 48, 49, 59, 69
- 25, 26, 27, 28, 36, 38
- 18, 38
- 74, 75, 84, 85, 93, 94, 95
- 70, 71, 80, 81, 90, 91, 92
- 64, 65, 66, 67
- 76, 77, 86
- 30, 31, 40, 41, 50, 51, 52
- 22, 23, 32, 33, 42, 43, 44, 53, 54
- 79, 87, 88, 89, 96, 97, 98, 99
- 35, 45, 46, 55, 56, 57, 58, 68
- 60, 61, 62, 63, 72, 73, 82, 83
- 78

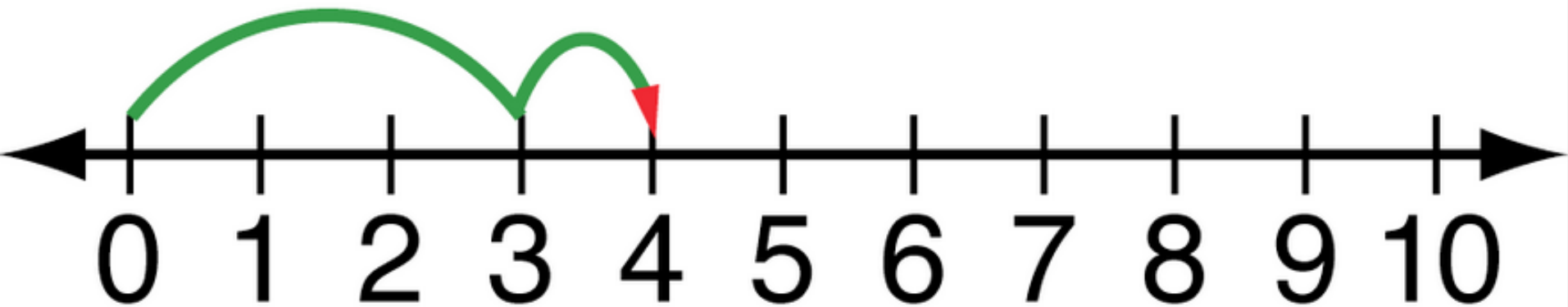
The logo for "TOP NOTCH TEACHING" is located in the bottom left corner, featuring a yellow bird wearing a graduation cap.

10 Less 10 More 1 less 1 more

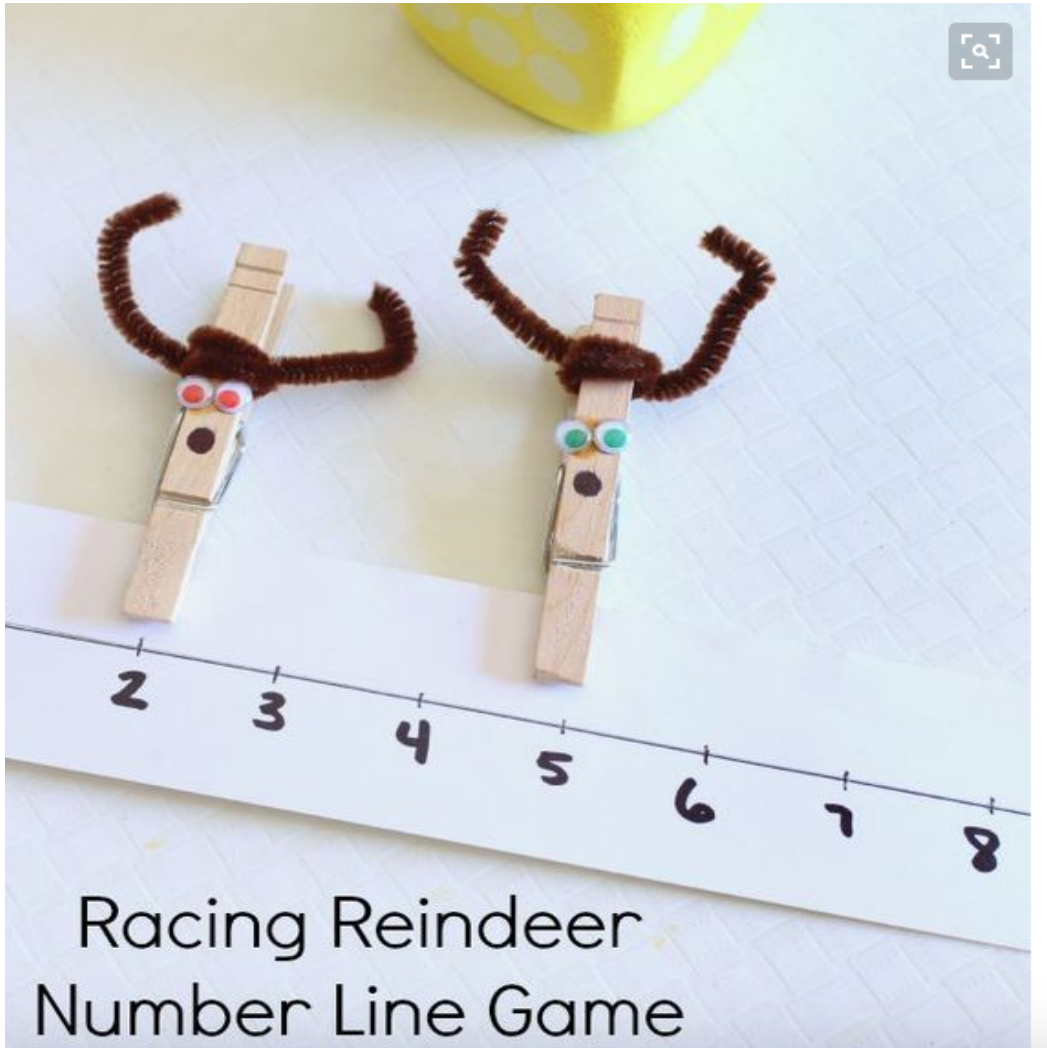


Using Number Line

$$3 + 1 = 4$$



Racing Reindeer



Racing Reindeer
Number Line Game

Mental Math and Fluency Expectations

GRADE	END-OF-YEAR EXPECTATION	EXAMPLES
K	fluently + and – within 5	$4 + 1$ $5 - 2$ $3 + 2$
1	fluently + and – within 10	$7 - 5$ $4 + 3$ $9 - 6$
	± 10 for any two-digit number	$26 + 10$ $84 - 10$
2	know from memory all sums of two one-digit addends	$6 + 7$ $8 + 3$ $7 + 8$ $2 + 7$ $9 + 5$ $4 + 9$
	± 10 and ± 100 for any three-digit number	$473 - 10$ $816 + 10$ $352 - 100$ $709 + 100$
3	know from memory all products of one-digit factors	4×9 8×6 5×7 7×3 2×9 4×8

Computation Expectations by Grade

GRADE	END-OF-YEAR EXPECTATION
K	<ul style="list-style-type: none">• add and subtract within 10
1	<ul style="list-style-type: none">• add and subtract within 20• add within 100• subtract two-digit multiples of 10
2	<ul style="list-style-type: none">• add and subtract within 1,000
3	<ul style="list-style-type: none">• add and subtract within 1,000• multiply two one-digit factors• multiply one-digit factors by a multiple of 10
4	<ul style="list-style-type: none">• add and subtract within 1,000,000• multiply: 1 by 4 and 2 by 2• divide: up 4 by 1
5	<ul style="list-style-type: none">• multiply multi-digit numbers• divide: up to 4 by 2• perform all operations on decimals