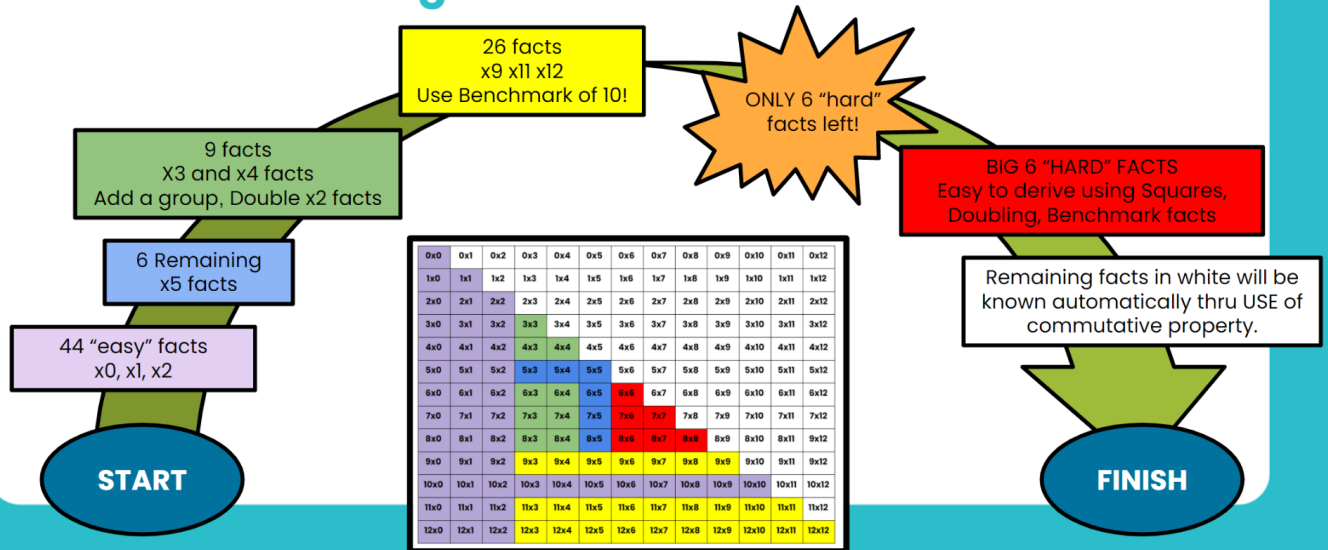


Essential Understanding Using Benchmark Numbers



Purple: x0, x1, x2	Usually known facts! For <u>x2 facts THINK addition doubles</u>
Blue: Remaining x5	To get x5 facts without skip counting, <u>HALF your ten facts</u>
Yellow: x9, x10, x11, x12	<u>Use the related x10 fact</u> <ul style="list-style-type: none"> • x9 (subtract one group) • x11 (add one group) • x12 (add two groups)
Green: Remaining x3, x4	Add a group to x2 fact for x3 facts <u>Double</u> x2 fact for x4 facts
Red: 6 tough facts	x6 facts, x7 facts, and x8 facts all become "easy" with strategies like: <u>Doubling</u> <u>Using a benchmark of 5, or</u> <u>Using "Squares"</u>
White: Will be known through <u>use of commutative property</u>	

[Nancy Estepa #SumOneCares](#)

0x0	0x1	0x2	0x3	0x4	0x5	0x6	0x7	0x8	0x9	0x10	0x11	0x12
1x0	1x1	1x2	1x3	1x4	1x5	1x6	1x7	1x8	1x9	1x10	1x11	1x12
2x0	2x1	2x2	2x3	2x4	2x5	2x6	2x7	2x8	2x9	2x10	2x11	2x12
3x0	3x1	3x2	3x3	3x4	3x5	3x6	3x7	3x8	3x9	3x10	3x11	3x12
4x0	4x1	4x2	4x3	4x4	4x5	4x6	4x7	4x8	4x9	4x10	4x11	4x12
5x0	5x1	5x2	5x3	5x4	5x5	5x6	5x7	5x8	5x9	5x10	5x11	5x12
6x0	6x1	6x2	6x3	6x4	6x5	6x6	6x7	6x8	6x9	6x10	6x11	6x12
7x0	7x1	7x2	7x3	7x4	7x5	7x6	7x7	7x8	7x9	7x10	7x11	7x12
8x0	8x1	8x2	8x3	8x4	8x5	8x6	8x7	8x8	8x9	8x10	8x11	9x12
9x0	9x1	9x2	9x3	9x4	9x5	9x6	9x7	9x8	9x9	9x10	9x11	9x12
10x0	10x1	10x2	10x3	10x4	10x5	10x6	10x7	10x8	10x9	10x10	10x11	10x12
11x0	11x1	11x2	11x3	11x4	11x5	11x6	11x7	11x8	11x9	11x10	11x11	11x12
12x0	12x1	12x2	12x3	12x4	12x5	12x6	12x7	12x8	12x9	12x10	12x11	12x12