

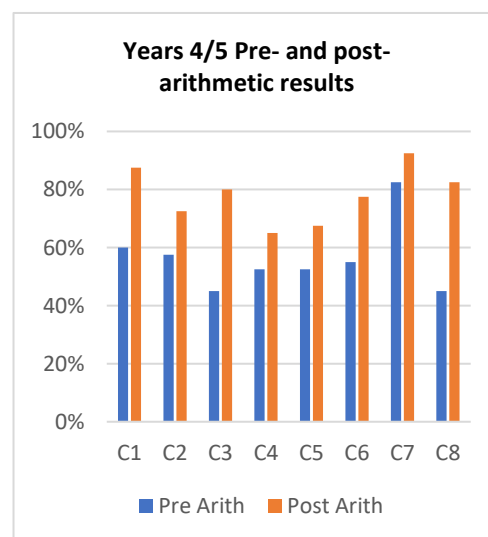
Years 4 and 5 intervention group (Apr 2018)

Total intervention weeks: 15 weeks

Summary: Children in the intervention group have shown improvement, though, to different degrees for different children. Observing computational strategies used within pre- and post-intervention tests reveals a clear evidence of a shift in methods used, from unitary counting (using tally marks) to using more sophisticated methods such as the use of column additions, mental computations, and partitioning of numbers to arrive at answers.

Table 1: Arithmetic raw scores at pre- and post-intervention

Child	Pre-intervention		Post intervention	
	Total arithmetic scores	Total place value scores	Total arithmetic scores	Total place value scores
C1	24	7	35	8
C2	23	0	29	8
C3	18	5	32	9
C4	21	6	26	5
C5	21	6	27	8
C6	22	8	31	10
C7	33	7	37	10
C8	18	10	33	10



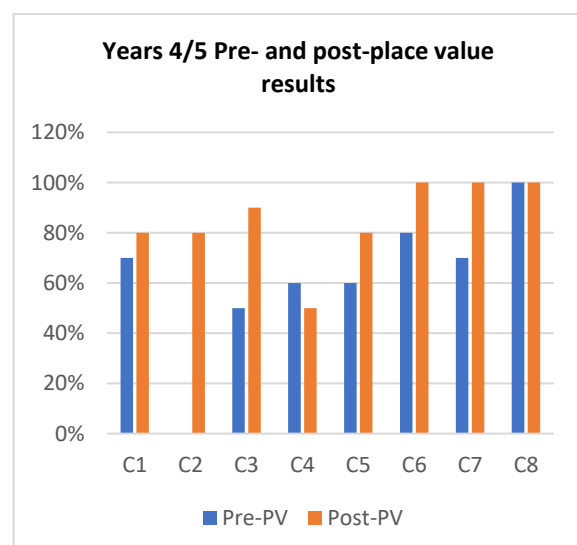
Note:

Total questions for arithmetic test is 40 (25 arithmetic and 15 number dictation).

Total questions for place value is 10.

Table 2 : % of correct answers

	Pre-Arith	Post-Arith	Pre-PV	Post-PV
C1	60.00%	87.50%	70.00%	80.00%
C2	57.50%	72.50%	0.00%	80.00%
C3	45.00%	80.00%	50.00%	90.00%
C4	52.50%	65.00%	60.00%	50.00%
C5	52.50%	67.50%	60.00%	80.00%
C6	55.00%	77.50%	80.00%	100.00%
C7	82.50%	92.50%	70.00%	100.00%
C8	45.00%	82.50%	100.00%	100.00%



Mean average scores

Y4/5	Pre-intervention	Post-intervention
Arithmetic	22.5	31.25
<i>(Variation in scores)</i>	4.75	3.81
Place value	6.125	8.5
<i>(Variation in scores)</i>	2.90	1.69

Mean average scores

Y4/5	Pre- intervention	Post- intervention
Arithmetic	22.5	31.25
<i>(Variation in scores)</i>	4.75	3.81
Place value	6.125	8.5
<i>(Variation in scores)</i>	2.90	1.69