

**Intervention period:** January to May 2018 (10 weeks, twice a week, 45 minutes each session)

**Group:** Year 1

Assessment method: Using Sandwell Early Numeracy Test Revised (SEND-R). The test examines children’s mathematical ability using five strands (Identification of numbers, oral counting, value/computation, object counting, language).

The total score is 76 for each of Forms A and B tests. A breakdown of scores is listed below:

1. Identification of Numbers (IdenNum) : 12 scores
2. Oral counting (OralC) : 10 scores
3. Value/computation (Comp) : 35 scores
4. Object counting (ObjectC): 4 scores
5. Language : 15 scores

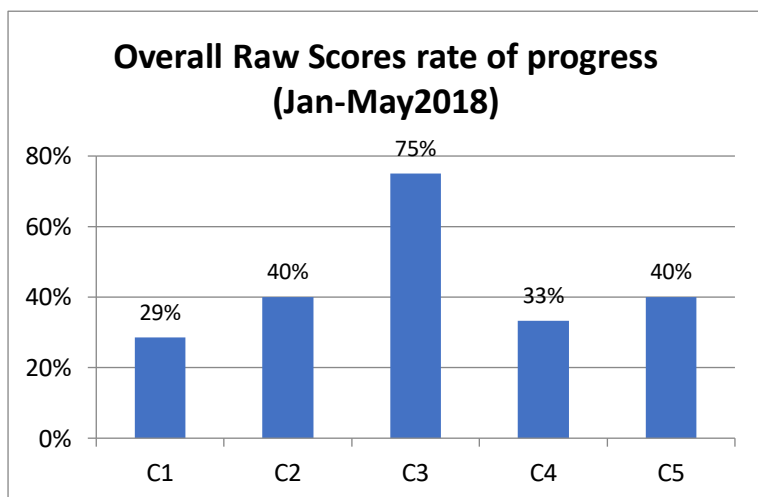
**Table 1: Progress based on SATS levels and age equivalent measures**

Children	SATS levels		Age Equivalent					
	Pre-Intervention	Post-intervention	Pre-intervention			Post-intervention		
	SENT-R	SENT-R	Jan Age (yy:mm)	Jan AgeEq (yy:mm)	Ahead/below (Age vs. AgeEq)	May Age (yy:mm)	May AgeEq (yy:mm)	Ahead/below (Age vs. AgeEq.)
C1	1B/1A	2C/1A	06:00	05:04	8 months	06:04	05:11	5 months
C2	2C	2B	05:10	06:02	4 months	06:02	07:05	15 months
C3	1C/P8	2B/2C	05:10	05:00	10 months	06:01	06:04	3 months
C4	1C/1B	2B/2C	05:05	05:05	As expected	05:09	06:03	6 months
C5	1A	2B	06:04	05:10	6 months	06:07	06:10	3 months

**Table 2: Raw scores, standard score, and percentile**

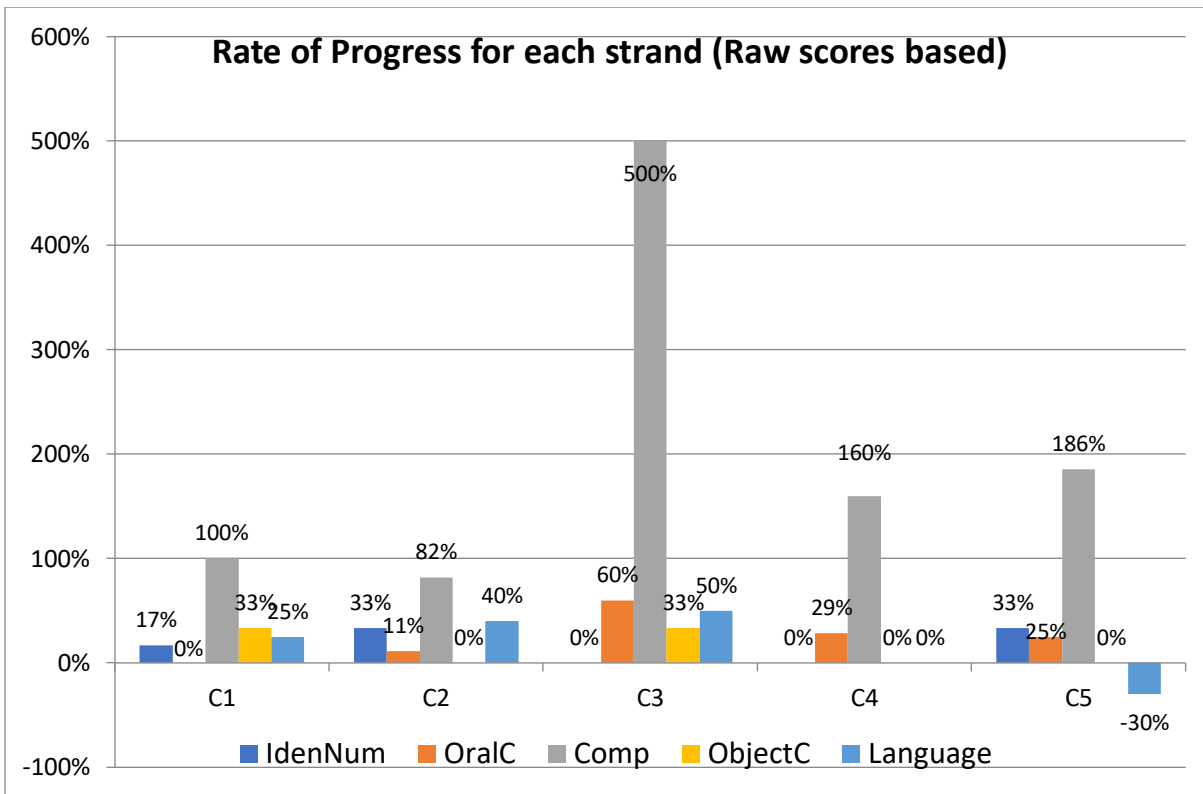
Child's name	Pre-intervention			Post-intervention		
	Percentile	Raw score	Standard score	Percentile	Raw score	Standard score
C1	19%	28	86	38%	36	95
C2	69%	40	108	91%	56	119
C3	19%	24	86	56%	42	102
C4	62%	30	104	71%	40	108
C5	34%	35	94	56%	49	102

Note: Standard scores beyond 100 mean achieving better than the average children within the sample.



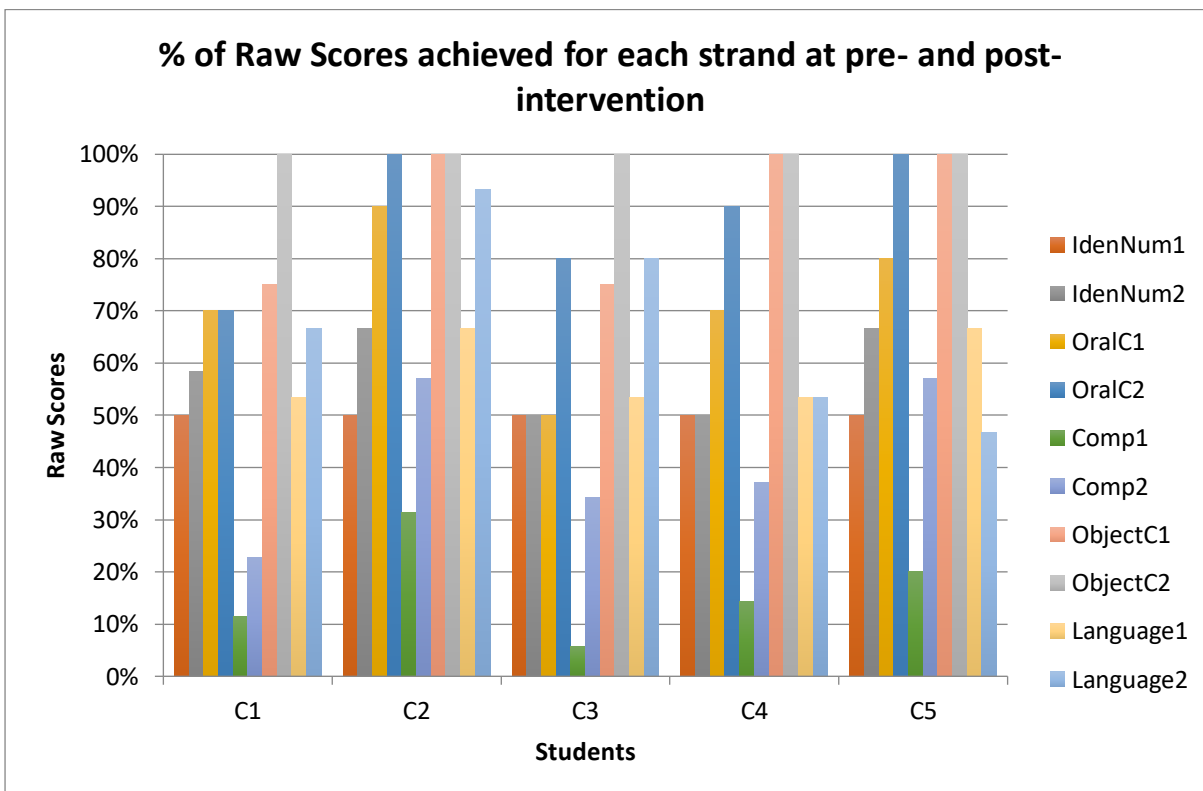
Note: The overall rate of progress has been calculated as follows -

(Post-intervention raw scores – Pre-intervention raw scores) – 1.



Note: Rate of Progress has been calculated as follows –

$(\text{Post-intervention scores} - \text{Pre-intervention scores}) - 1$  for each strand.



Note that the percentages are calculated based on  $(\text{Raw scores obtained} / \text{Total scores})$

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