

<b>Group Instructional Report 2019</b>	<b>CCA</b>	<b>Independent Schools</b>	<b>Association of Classical Christian Schools</b>
Grade 2			
<b>Mathematics (overall)</b>	<b>86%</b>	<b>74%</b>	<b>77%</b>
Number Sense	88%	79%	81%
Conceptual Understanding	87%	78%	80%
Problem Solving	83%	71%	76%
Grade 3			
<b>Mathematics (overall)</b>	<b>79%</b>	<b>73%</b>	<b>74%</b>
Number Sense	89%	82%	86%
Conceptual Understanding	87%	79%	81%
Problem Solving	70%	66%	65%

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Grade 4			
<b>Mathematics (overall)</b>	<b>64%</b>	<b>62%</b>	<b>60%</b>
Number Sense with Whole #	67%	62%	60%
Conceptual Understanding	68%	64%	63%
Problem Solving	62%	64%	58%
Grade 5			
<b>Mathematics (overall)</b>	<b>65%</b>	<b>63%</b>	<b>59%</b>
Number Sense with Whole #	62%	64%	59%
Conceptual Understanding	63%	61%	57%
Problem Solving	66%	65%	59%

## **Summary:**

In **2018**, CCA ranked **behind** IN and ACCS schools in mathematics in all grades.

In **2017**, CCA ranked **behind** IN and ACCS schools in mathematics in all grades (with the exception of 5th grade which ranked above ACCS schools).

In **2019**, after almost two years of focused on-going grade level specific professional development, model lessons and campus wide workshops, **CCA ranks ahead of IN and ACCS schools in grades 2-5** (with the exception of 5th grade which ranked 2% points behind IN schools).

Singapore Strategies focus on concrete, pictorial and abstract learning progressions as well as using bar models to solve problems. Additionally, Singapore strategies and Math In Focus engage learners in developing number sense and learning facts with fluency. Professional development offered from the spring of 2018 through the summer of 2019 focused on these areas. During the summer of 2019, professional development added in algebraic thinking.

- CCA saw double digit percentage growth in Numbers Sense, Conceptual Understanding and Problem Solving on the ERB in grades 2-3.
- CCA saw growth in the same areas in grade 4.
- CCA saw decline in the same areas in grade 5. However, compared to IN and ACCS schools CCA performed better in conceptual understanding and problem solving. CCA performed better than ACCS schools in Number Sense but lower than IN by 2% points.
- Additionally, CCA saw growth in Functions and Data in grades 2-4.