

PROVEN RESULTS EFFICACY DRIVEN

- ✓ Incorporates best pedagogy & research from around the world
- ✓ TIMSS (Grades 4–8)—Singapore consistently placed within top 3 countries for the last 24 years
- ✓ PISA Results 2015—Singapore ranked 1st in Math, Science, Reading
- ✓ Efficacy Studies in US & UK for jurisdictions using Singapore Approach consistently showed math score gains between 12-23%

BUILDS SUCCESS IN MATHEMATICS

- ✓ Focuses on mastery
- ✓ Purposeful sequence of topics aligned to curriculum
- Promotes conceptual and procedural understanding

My Math Path addresses attitudes and mindset towards

math by boosting student and

teacher confidence!

- ✓ Learning gaps addressed in a timely fashion
- Built in professional learning





Appreciation, Interest, Confidence, and Perserverance



Monitoring One's Own Thinking



Thinking Skills, Heuristics, and Strategies



Numerical, Geometrical, Algebraic, and Statistical



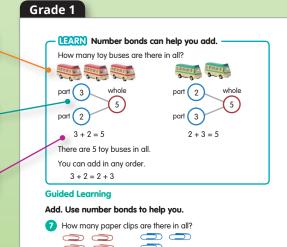
Estimation and Approximation, Mental Calculation, Use of Mathematical Tools, Algebraic Manipulation, and Data Analysis **Mathematical Problem**

Concepts

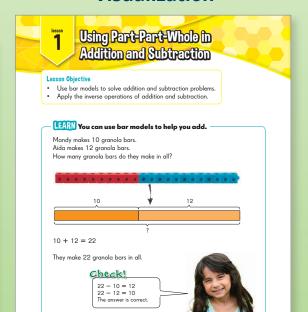
Solving

3 KEYS TO CONCEPTUAL UNDERSTANDING

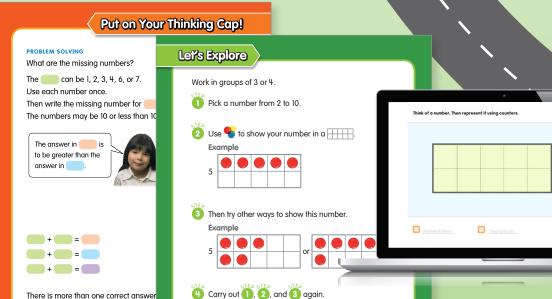
Concrete-Pictorial-Abstract (Symbolic) Approach



Visualization



Thinking



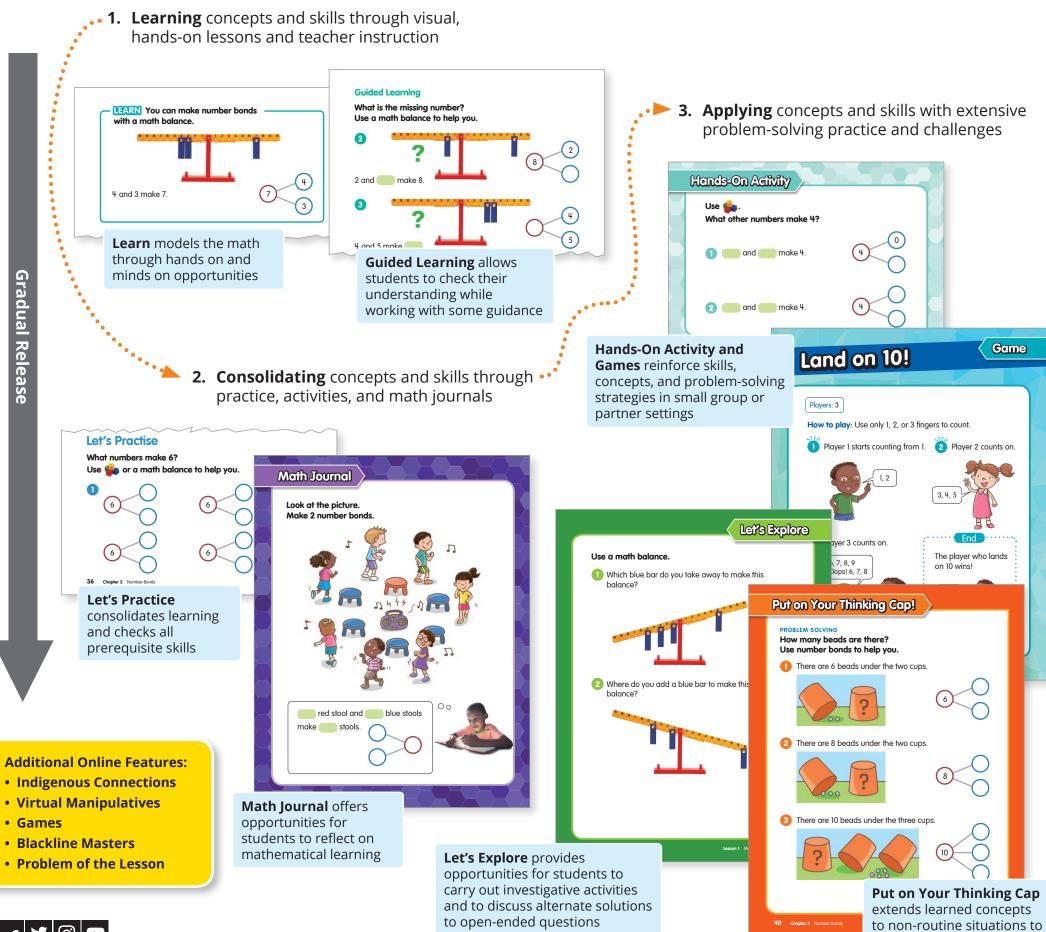


Abstract

NELSON

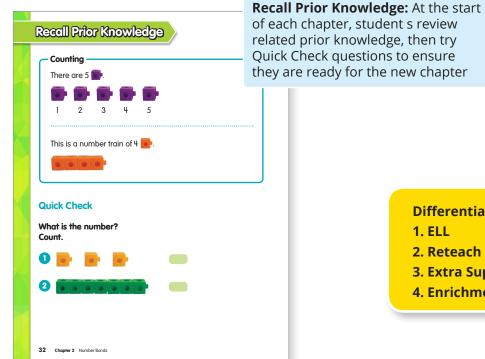
demonstrate mastery

Build a Solid Foundation at Each Level for Deep Math Understanding



My Math Path offers a complete picture of student progress. The Student Books, the Teacher's Resources, and the Online Workbooks all work in concert to provide both short-term and long-term assessment options.

Prior Knowledge



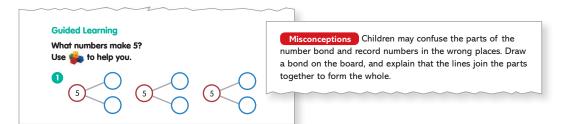
of each chapter, student s review related prior knowledge, then try Quick Check questions to ensure they are ready for the new chapter

Differentiation Options

- 1. ELL
- 2. Reteach
- 3. Extra Support
- 4. Enrichment

Formative Assessment

- **Guided Learning** in the Student Book: After each Learn element, students work on Guided Learning examples with either peer or teacher input. Tips in the Teacher's Resource help in assessing student understanding.
- **Misconceptions** in the Teacher's Resource: Misconceptions alerts teachers to recognize and correct potential misconceptions before students practise on their own.



Summative Assessment

- Chapter Review—2 types—"paper & pencil" and "oral"
- Cumulative, Mid-Year, and Endof-Year Reviews in the Online **Workbook**: these reviews provide opportunities for consolidation of concepts and skills on topics in manageable chunks.

