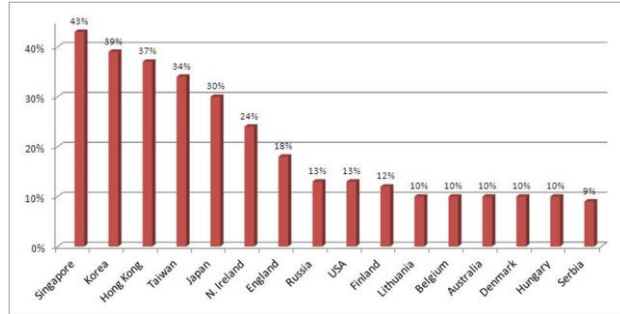


## Why Singapore Math?

### 1. Top Test Scores!

Singapore math students outperform the rest of the world.



**2. Greater Focus!** Singapore math students focus intensely on a handful of topics which allows for a deeper understanding. This is in contrast to the U.S., where many state standards set forth dozens of topics to be covered partially each year. With too many objectives, the National Council of Teachers of Mathematics (NCTM) report refers to U.S. math curricula as "a mile wide and an inch deep." This can make it difficult for students to master the most important math skills.

**3. Emphasis on Math Concepts!** Singapore Math emphasizes mastery of math concepts and training students to connect different mathematical ideas using words and word problems. Rather than just teaching students to memorize math facts, Singapore Math focuses on math concepts to give students something on which to hang those math facts. Singapore Math uses traditional math problem solving, while also encouraging participation in mental math exercises by solving math problems in their heads without pencil and paper.

## The Concrete, Pictorial, Abstract Approach

Singapore Math presents each math concept in three stages:

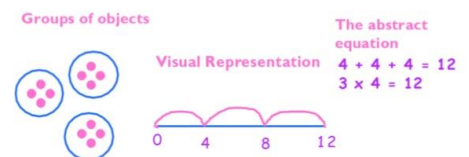
- Stage 1: Hands-on concrete objects
- Stage 2: Pictures/Visual representations
- Stage 3: Abstract written symbols

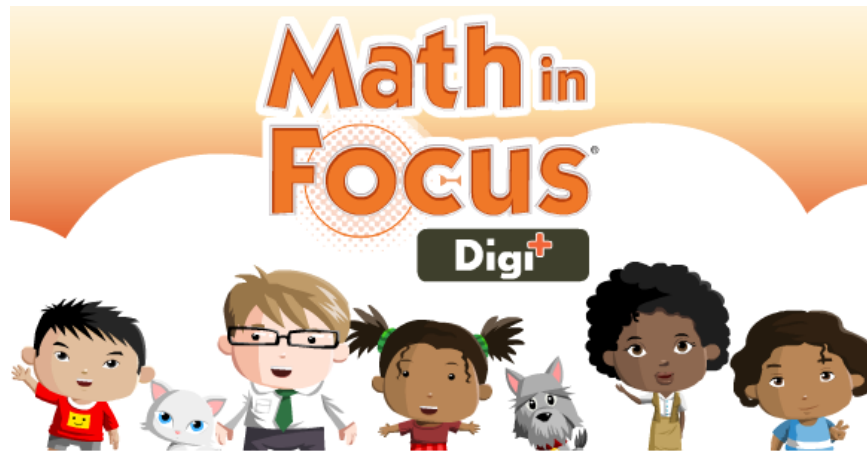


**Some Benefits of the Concrete, Pictorial, Abstract approach:**

- Provides students with a structured way to learn math concepts
- Students are able to build a better connection when moving through the levels of understanding from concrete to abstract.
- Makes learning accessible to all learners (including those with math learning disabilities)
- Taught explicitly using a multi-sensory approach
- Follows Universal Design for Learning guidelines
- Research has proven that this method is effective.
- Able to use across grade levels, from early elementary through high school
- Helps students learn concepts before learning rule

### Multiplication: an example





## What is MIFDIGIPLUS?

Math in Focus® Digi+™ contains thousands of multimedia resources for students at all ability levels. Each Math in Focus® Digi+™ lesson contains several components, which are aligned to every part of Math in Focus lessons. In Digi+™ academic practices are carefully crafted with step-by-step scaffolding, and can be printed out or assigned as online work. Math in Focus® Digi+™ allows teachers to identify students' needs and assign lessons based on student results where a traditional text book would not allow for this. Here appropriate remediation and additional enrichment problems can be assigned to help students meet class expectations outside of class time. We will use Digi+ as an instructional tool for independent practice.

## How to best use MIFDIGIPLUS

1. The assigned tasks are activities specifically chosen for your child by the teacher. These will reinforce the skills taught with the appropriate level of support.
2. The content tab is where you can find your child's text book. The text book is organized by chapter on the left hand side, once the book is opened. Once the correct chapter is selected, there are multiple activities to reinforce each concept taught in the classroom. Each concept is set in blue with multiple skills underneath. You can watch the lesson being taught, practice with guided learning tips, practice with assist and assess if the skill is mastered with benchmark practice. Each activity can be completed multiple times. The instant grading on the benchmark practice will allow you to know if your child is ready to move on to the next topic.
3. All activities can be printed by clicking on the PDF icon at the bottom of the activity if you prefer a paper version.