Cognition-Based Assessment Teaching of Multiplication and Division: Building on Students Reasoning

By Michael Battista

Heinemann Educational Books, United States, 2012. Paperback. Book Condition: New. New. 277 x 211 mm. Language: English. Brand New Book. For many students, traditional instruction is so distant from their needs that each day they make little or no learning progress and fall farther and farther behind curriculum demands. In contrast, Cognition-Based Assessment offers a framework to support teaching that enables ALL students to understand, make personal sense of, and become proficient with mathematics. - Michael Battista Designed to work with any curriculum, Cognition-Based Assessment and Teaching will enable you to better understand and respond to your students learning needs and help you choose instructional activities that are best for them. Michael Battista offers a powerful, learning-progressions model for maximizing each student's progress—helping students who are behind catch up, preventing future failures from occurring, and helping students who are ready move quickly ahead. Cognition-Based Assessment and Teaching will help you will all three tiers in RTI. Battista’s approach emphasizes three key components that support students mathematical sense making and proficiency: Determining students levels of sophistication in reasoning Assessing and monitoring the development of students understanding of core ideas Differentiating instruction to meet individual students learning needs...

Reviews

This publication is wonderful. It was actually written very completely and beneficial. You may like the way the writer compose this publication.

-- Prof. Aisha Mosciski PhD

Very good eBook and valuable one. This is for anyone who state that there was not a worth reading. You will not truly feel monotony at any time of your own time (that's what catalogs are for concerning if you question me).

-- Ms. Ona Muller
Other Kindle Books

**Weebies Family Halloween Night English Language: English Language British Full Colour**
Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English. Brand New Book ***** Print on Demand *****. Children's Weebies Family Halloween Night Book 20 starts to teach Pre-School and Junior Children how to read with this...

**10 Most Interesting Stories for Children: New Collection of Moral Stories with Pictures**
Paperback. Book Condition: New. This item is printed on demand. Item doesn't include CD/DVD.

**Talking Digital: A Parent's Guide for Teaching Kids to Share Smart and Stay Safe Online**
Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English. Brand New Book. It is time for the digital talk. Today, kids are growing up in a wired world. Their online interactions, the good and the bad,...

**Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]**
Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English. Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids. Love Art, Love Learning. Welcome. Designed to expand and inspire young minds; this is...

**On the seventh grade language - Jiangsu version supporting materials - Tsinghua University Beijing University students efficient learning**
Paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping. Free Tracking number will be provided after the shipment. Pages Number: 116 Publisher: Beijing Education Press Pub. Date :2009-6-1. Colorful three-dimensional law degree to help read the story to help...

**Creative Thinking and Arts-Based Learning: Preschool Through Fourth Grade**
Students should check each division by multiplication. a. In this step, students practice for the first time all the basic steps of long division algorithm: divide, multiply & subtract, drop down the next digit. We use two-digit numbers to keep it simple. Multiply & subtract has to do with finding the remainder, and after finding a remainder, we combine that with the next unit we are getting ready to divide (dropping down the digit). After the previous step has been mastered, students then practice long division with three- and four-digit numbers where they will have to go through the basic steps several times. 1. Divide. 2. Multiply & subtract.
Teaching with Heart and Creativity. Multiplication and Division Situations. This is a breakdown of unit 9, multiplication and division, in the second grade guided math series! Whether you teach second grade or not, I think this post will help answer some questions for you.

Students can work on this orally with the teacher facilitating and engaging in math talk about the concept. They can also group into twos, threes, fives, or tens, with this activity. Laminate the cards and they can be used over and over with different numbers.

Once we have a solid understanding of multiplication, we move into division situations. This is still very concrete level understanding. It is related to our multiplication understanding and strategies too! Informal division strategies Tasks could include “Think of Multiplication and Halving™”. For example: 16 divided by 4, think: 4 “whats” are 16? The following learning plans have been developed for this zone, to support targeted teaching after students have been assessed and located on the LAF. Zone 5 “Learning Plans Introducing (PDF - 70Kb). Last updated: 04.02.08.

Assessment questions for multiplication and division understanding:

1) Multiplication
a. Use 5 3 = 15 - Show student three groups on paper - Ask student to place five counters in each group - Explain that there are now three groups with five counters in each - Ask student how many counters altogether - Ask student to explain how they worked it out

Observations.
Yes = O No = /

Comments. Student can use.

Division
Student needs to count items one by one to divide equally
Student can explain their division strategy.

b. Use 15 3 = 5
i. Show student you have 15 counters and want to put five counters in each box
ii. Ask student to predict how many boxes will get counters

Neuropsychological Assessment. Communication. Cognition. Psychology & Cognitive Science. In contrast, Cognition-Based Assessment offers a framework to support teaching that enables ALL students to understand, make personal sense of, and become proficient with mathematics.” -Michael Battista Designed to work with any curriculum, Cognition-Based Assessment and Teaching will enable you to better understand and respond to your students' learning needs and help you choose instructional activities that are best for them.

Cognition-Based Assessment and Teaching will help you will all three tiers in RTI. Also available: Multiplication and Division Place Value Fractions. Back to top. Rent Cognition-Based Assessment and Teaching of Addition and Subtraction 1st edition (978-0325012711) today, or search our site for other textbooks by Michael Battista.