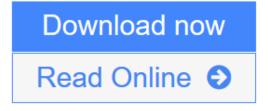


Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics)

Catherine Twomey Fosnot



Click here if your download doesn"t start automatically

Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics)

Catherine Twomey Fosnot

Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) Catherine Twomey Fosnot

Measuring for the Art Show: Addition on the Open Number Line and Subtraction is one of eight units in the Contexts for Learning Mathematics' Investigating Number Sense, Addition, and Subtraction (K-3) The focus of this unit is the development of the open number line model within the context of measurement. As the unit progresses, the number line is used as a model for double-digit addition strategies. The unit begins with the story of a teacher who has offered to organize an art show of children's work as a school fund-raiser. The children have produced beautiful pieces of art and the teacher and several children set out to make signs to hang underneath each piece, listing the title of the piece, the artist's name, and the price. They want to measure each art piece very carefully so that the sign will be exactly the same length as the piece of art. But this huge pile of work is daunting. Thankfully, the students soon figure out a solution. They sort the art by size, measure each size, and make a blueprint-a pattern strip-that will be used for cutting all the signs. The story sets the context for a series of investigations in this unit. Children measure various sizes of art paper with connecting cubes and then place the measurements onto a long strip of adding machine paper, to be used as a blueprint or pattern for cutting the signs. As the unit progresses, lengths of fives and tens are introduced in place of the cubes and the blueprint is progressively developed into an open number line-a helpful model used as a tool to explore and represent strategies for double-digit addition.

In contrast to a number line with counting numbers written below, an "open" number line is just an empty line used to record children's addition (and later subtraction) strategies. Only the numbers children use are recorded and the addition is recorded as leaps or jumps. For example, if a child's strategy for adding 18 + 79 is to keep 79 whole and decompose the 18 into smaller pieces, moving to a landmark number of 80 (79 + 1 + 10 + 7), it would be recorded on the open number line.

Such representations help children move beyond tedious strategies like counting one by one to strategies such as taking leaps of ten, splitting, and using landmark numbers.

Several minilessons for addition are also included in the unit. These are structured as strings of related problems designed to guide learners more explicitly toward computational fluency with double-digit addition.

The unit culminates with an art show. Thus, as you progress through the unit, you may find it helpful to work with the art teacher in your school to collect pieces of student artwork.

To learn more visit http://www.contextsforlearning.com



Read Online Measuring for the Art Show: Addition on the Open Numb ...pdf

Download and Read Free Online Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) Catherine Twomey Fosnot

Download and Read Free Online Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) Catherine Twomey Fosnot

From reader reviews:

Jack Michaud:

Exactly why? Because this Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) is an unordinary book that the inside of the reserve waiting for you to snap it but latter it will zap you with the secret it inside. Reading this book next to it was fantastic author who have write the book in such remarkable way makes the content interior easier to understand, entertaining technique but still convey the meaning entirely. So, it is good for you because of not hesitating having this anymore or you going to regret it. This amazing book will give you a lot of gains than the other book include such as help improving your talent and your critical thinking method. So, still want to hold off having that book? If I were being you I will go to the publication store hurriedly.

Kevin Pinkney:

You can obtain this Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by browse the bookstore or Mall. Just viewing or reviewing it might to be your solve problem if you get difficulties for the knowledge. Kinds of this e-book are various. Not only by simply written or printed but in addition can you enjoy this book by simply e-book. In the modern era such as now, you just looking by your mobile phone and searching what your problem. Right now, choose your current ways to get more information about your reserve. It is most important to arrange you to ultimately make your knowledge are still update. Let's try to choose right ways for you.

Glenna Monaghan:

A lot of publication has printed but it takes a different approach. You can get it by online on social media. You can choose the most beneficial book for you, science, amusing, novel, or whatever simply by searching from it. It is named of book Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics). You can add your knowledge by it. Without departing the printed book, it might add your knowledge and make you actually happier to read. It is most critical that, you must aware about reserve. It can bring you from one place to other place.

Dominique Rigney:

Reading a e-book make you to get more knowledge from that. You can take knowledge and information coming from a book. Book is written or printed or highlighted from each source in which filled update of news. On this modern era like currently, many ways to get information are available for you. From media social such as newspaper, magazines, science e-book, encyclopedia, reference book, book and comic. You can add your understanding by that book. Ready to spend your spare time to spread out your book? Or just looking for the Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) when you essential it?

Download and Read Online Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics)
Catherine Twomey Fosnot #LF20SXMRATC

Read Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by Catherine Twomey Fosnot for online ebook

Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by Catherine Twomey Fosnot Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by Catherine Twomey Fosnot books to read online.

Online Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by Catherine Twomey Fosnot ebook PDF download

Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by Catherine Twomey Fosnot Doc

Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by Catherine Twomey Fosnot Mobipocket

Measuring for the Art Show: Addition on the Open Number Line (Contexts for Learning Mathematics) by Catherine Twomey Fosnot EPub