[Building a System of Tens]

[Seminar Preparation Page Text]

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Developing Mathematical Ideas

Building a System of Tens: Session 2

The Base-Ten Structure of Numbers

Seminar Preparation

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Main Page (Note: Not sure of button name; it returns the reader to the module page)

[Main content]

[Left]

The Facilitator’s Checklist contains links to the readings, video, and downloadable materials you will need to prepare for and lead Session 2.

**Your Detailed Agenda** (link to Word doc)

Download the MS Word–formatted version of the Detailed Agenda to adapt and annotate with your personal notes.

**In-Class Agenda and Video** (link)

[Right]

**Facilitator Checklist**

Read (Note: All items under this head are links to PDFs of the named content)

• Casebook, chapter 2

• Overview

• Mathematical background notes

• Detailed Agenda

• Video Summary

• Handouts

• Math Activity: Multiplying by 10

• Focus Questions: Chapter 2

• Third Homework

• Maxine’s Journal

Work through (Note: These items are not links.)

• Focus questions

• Math activity: Multiplying by 10

Preview

• Video: Interviews with three students (Note: Links to video.)

Download and copy

• Handouts (Note: This is a link to all the named handouts above as one bundle.)

Prepare

• Poster stating the main idea of the session:

The value of a number is determined by multiplying the value of each digit by the value of the place that it occupies and then summing. For whole numbers, the value of the place farthest to the right is one; the value of every other place is ten times the value of the place to its right.

Obtain

• base-ten blocks

• index cards

• interlocking cubes