



Early Numeracy

Sarah R. Powell, Ph.D.

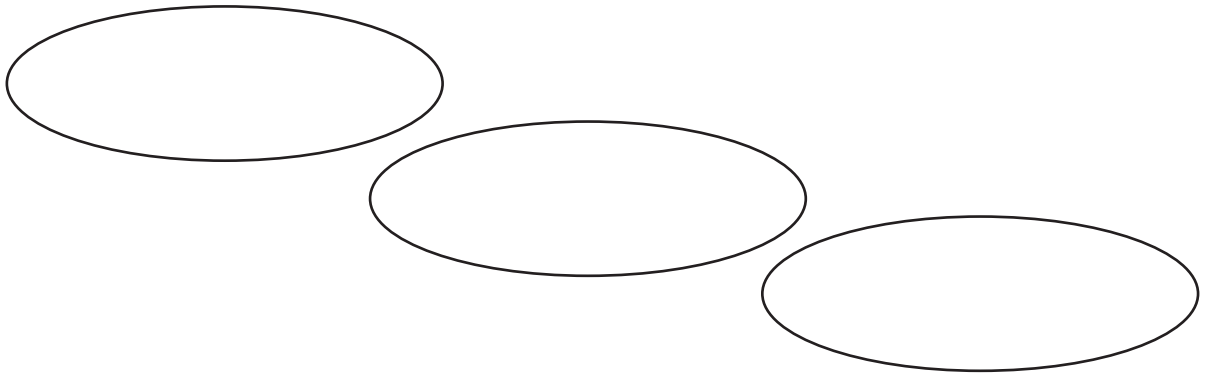
srpowell@utexas.edu

[@sarahpowellhd](https://twitter.com/sarahpowellhd)

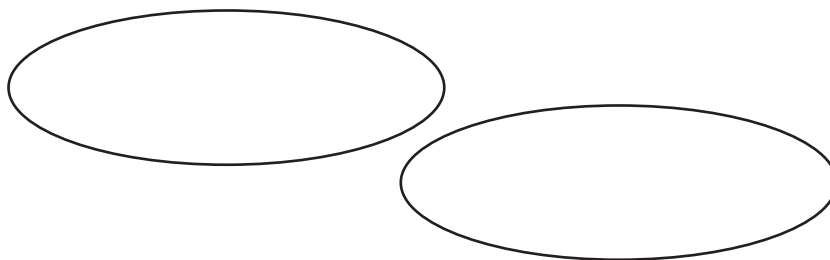
www.sarahpowellphd.com

Instructional Platform

Instructional Delivery



Instructional Strategies



Counting Principles

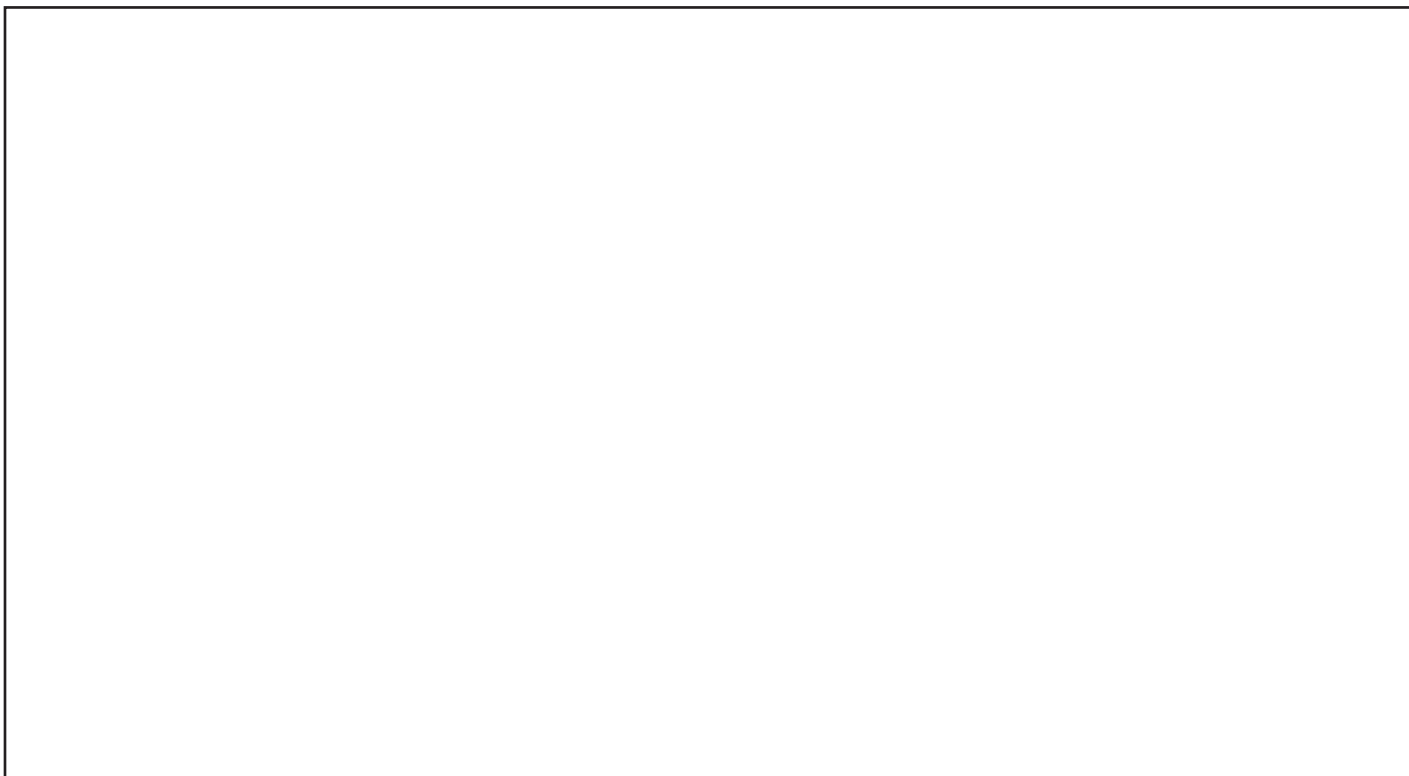
Stable Order	
One-to-One Correspondence	
Cardinality	
Abstraction	
Order Irrelevance	

Ten Frame

Counting Boards



Three Representations of Number

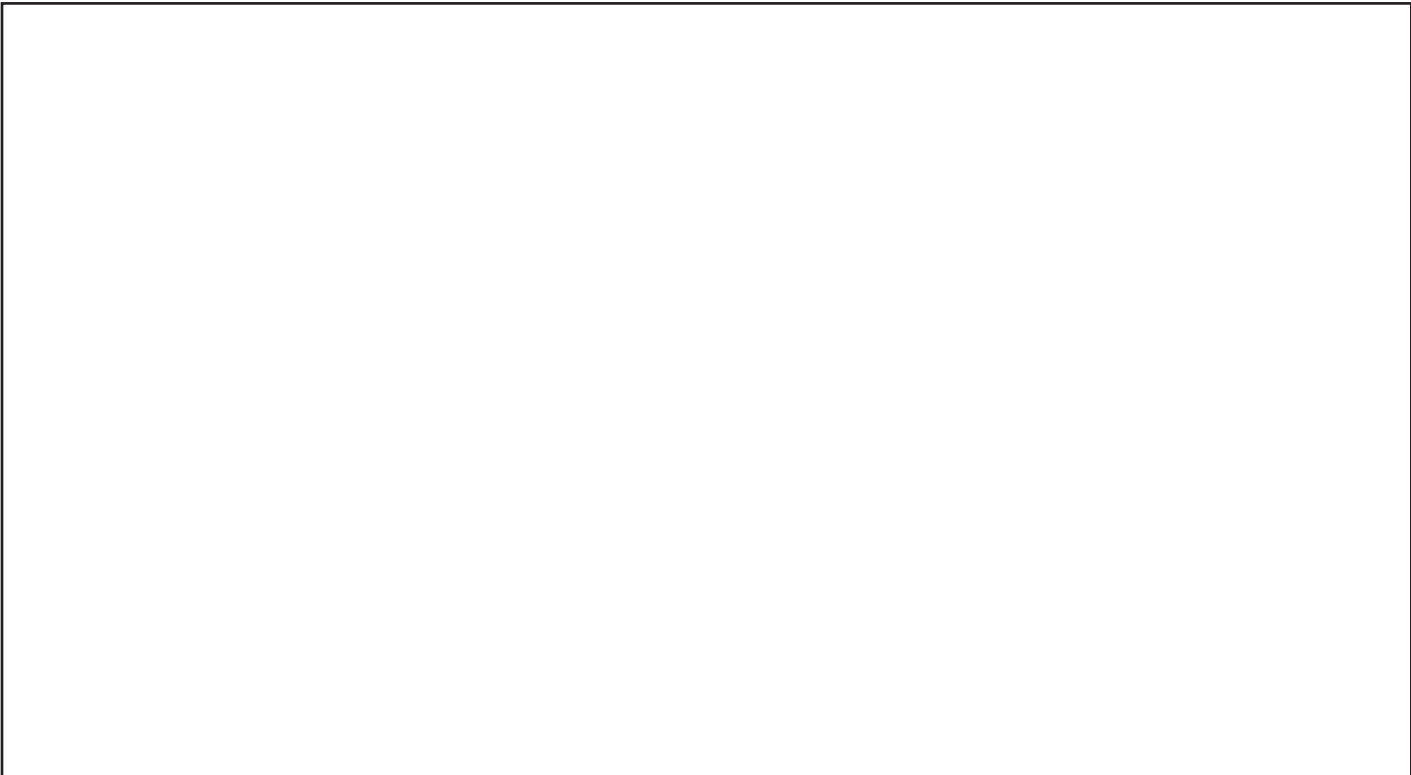


Comparing Numbers

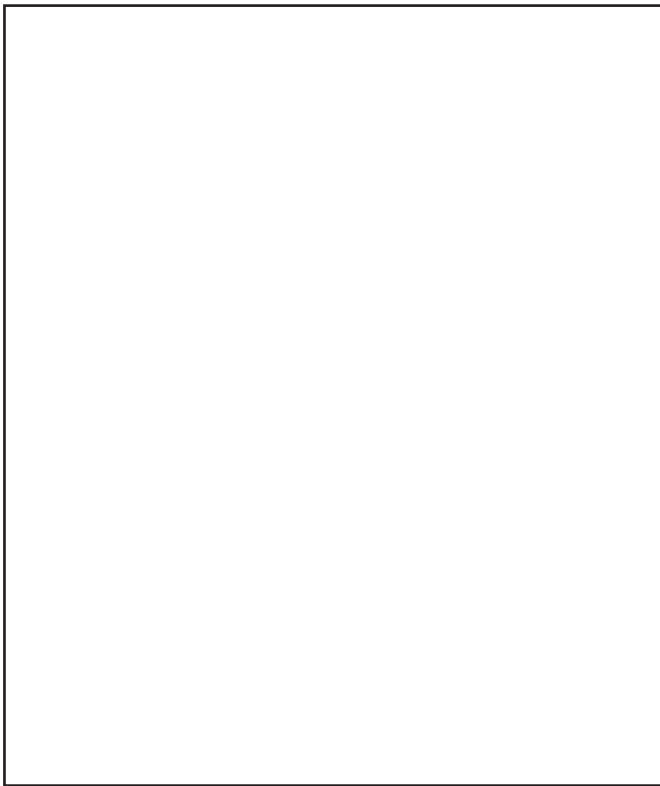
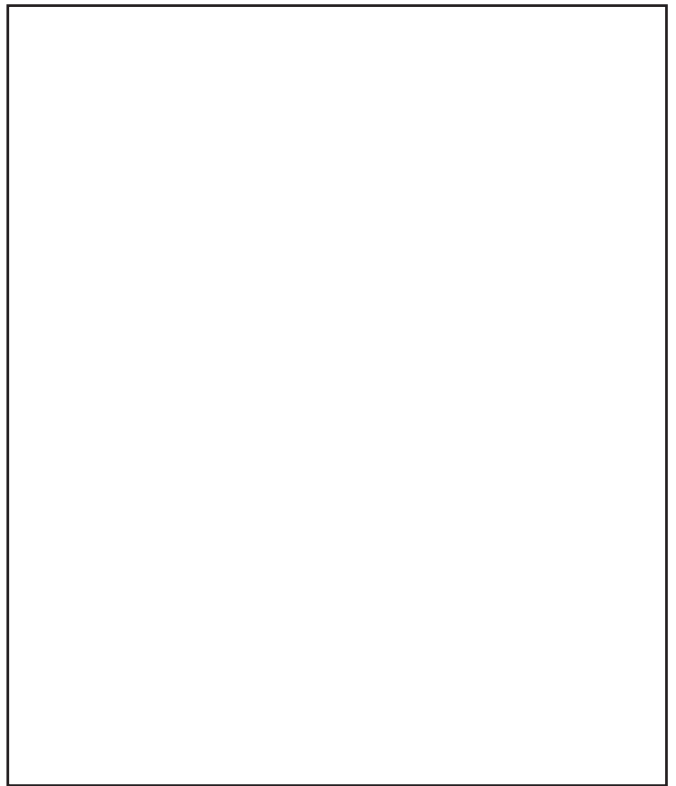
Build a Tower

Less than	7	More than

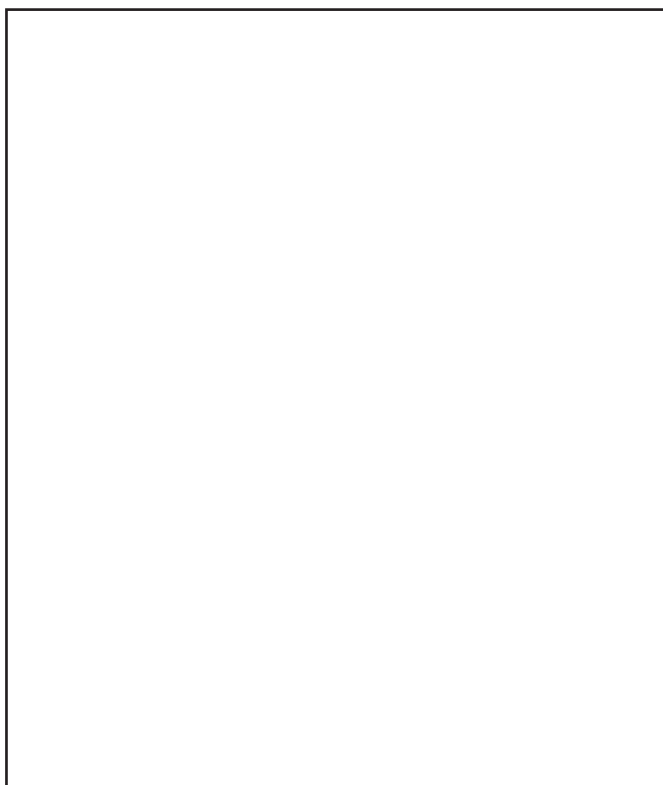
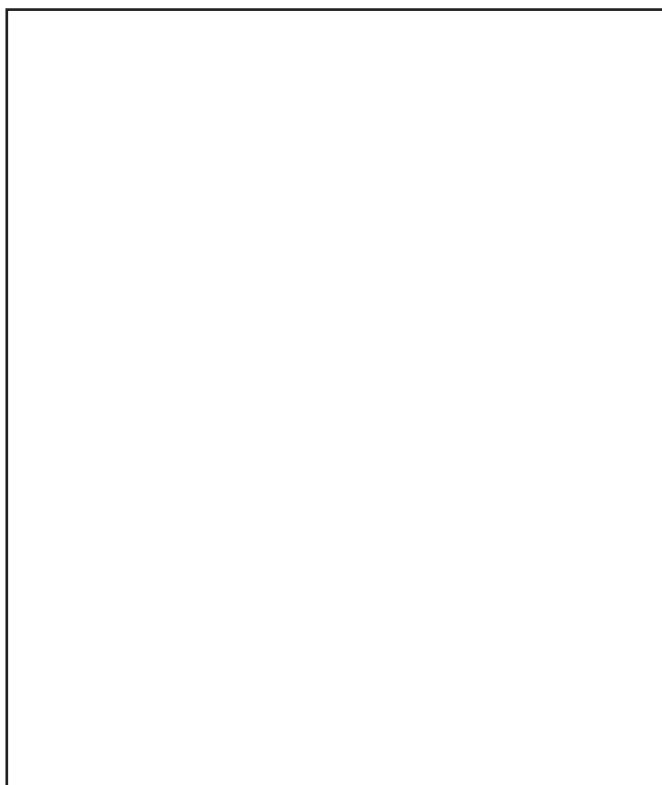
Subitizing



Addition

An empty rectangular box with a black border, intended for writing an addition problem or showing the steps of a calculation.An empty rectangular box with a black border, identical to the first one, intended for writing an addition problem or showing the steps of a calculation.

Subtraction

An empty rectangular box with a black border, intended for writing a subtraction problem or showing the steps of a subtraction process.An empty rectangular box with a black border, identical to the first one, intended for writing a subtraction problem or showing the steps of a subtraction process.

Explicit Instruction

Problem

Step-by-Step Explanation

Explicit Instruction

Problem

Practice Opportunities

High-Level Questions

Low-Level Questions

Affirmative Feedback

Corrective Feedback