### **Building Arithmetic** Fluency Through Conceptual Understanding

Jenny Ainslie, Wake County

Valerie Faulkner, NCSU



This is just a preview



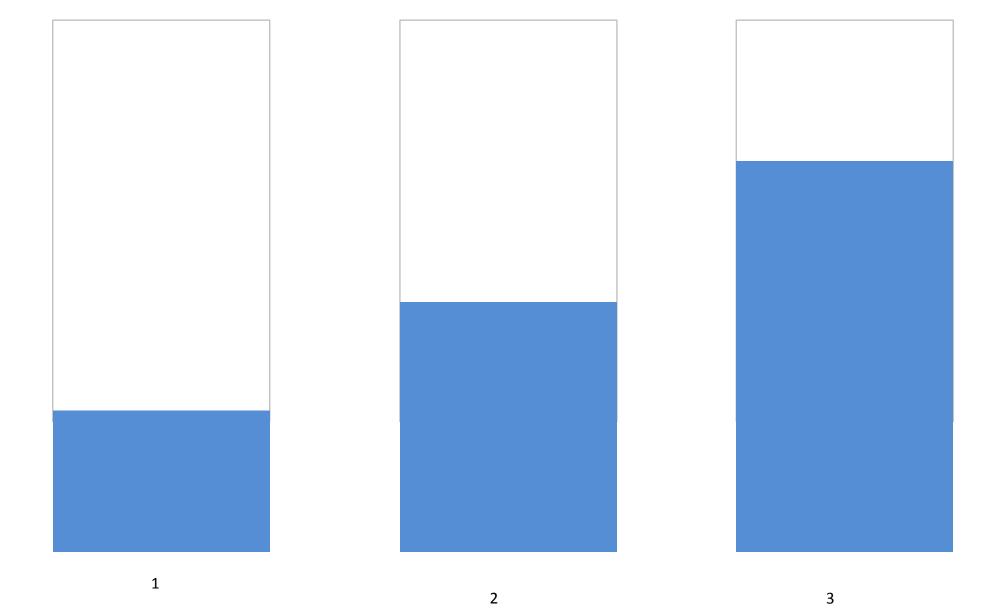


Come subitize! We will focus on the critical skill of subitizing. Participants will engage in classroom examples for how to subitize regularly and effectively with their preK-2 students. They will understand how subitizing connects to deepened additive and multiplicative number sense, an understanding of the numeration system, and algebra.

### What do this dog and baby have in common?







## Subitising through the years





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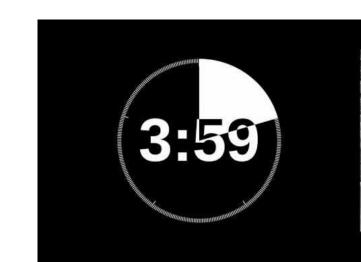
### Jennifer Ainslie

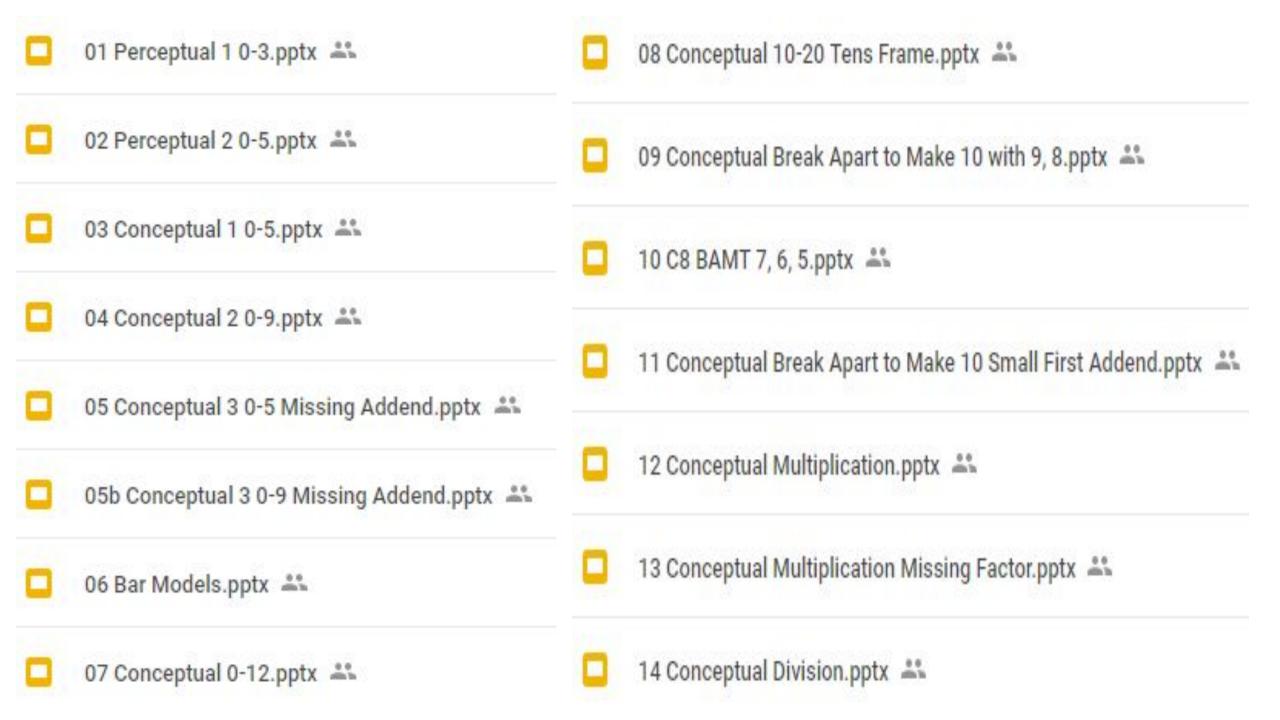
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The importance and usefulness of building on perceptual subitising and the development of conceptual subitising is explained. A guide on how to continue to develop numerical ideas based on subitising is shared.

As you read, think about/take notes on:

- ☐ the implications for your teaching
- ☐ the connections to higher level math
- ☐ the connection between literacy and math
- how subitizing aids in your student's mathematical identity





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### The Subitizing Song! [suhb-itizing] (Version 1-- dots, ten-frames ...



https://www.youtube.com/watch?v=nsScVF6Jo6A
Feb 9, 2017 - Uploaded by Harry Kindergarten Music
Up next. Tens Frame Song. Subitize Up To 5 (soo-bi-tize) | Math Song for Kids |
Jack Hartmann. The ...

### Subitize Up to 5 (soo-bi-tize) | Math Song For Kids | Jack ... - YouTube



https://www.youtube.com/watch?v=6yyz\_OycV4A
Jun 30, 2017 - Uploaded by Jack Hartmann Kids Music Channel
Subitize is the ability to tell the number of objects in a set, quickly, without counting. In this subitizing song name ...

### Subitize Rock (sŭbitize) | Math Song for Kids | Jack Hartmann - YouTube

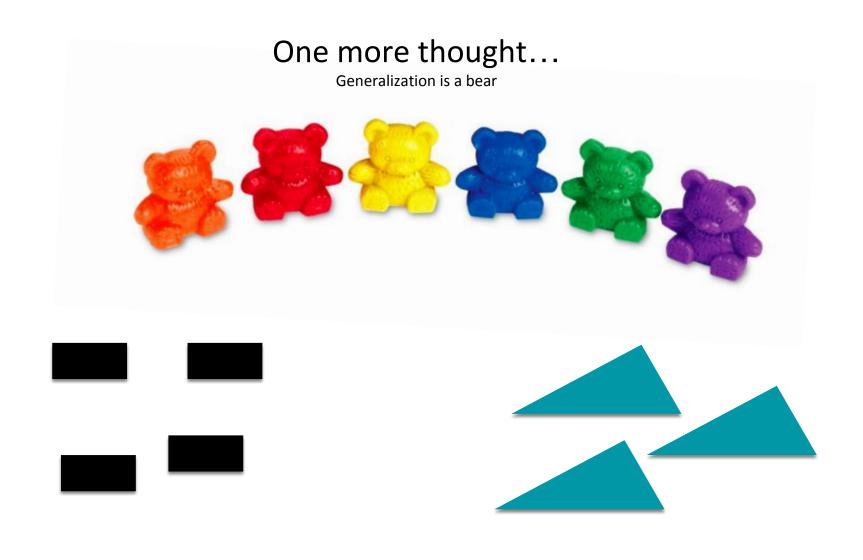


https://www.youtube.com/watch?v=A1Mazc-SsG0
Jun 21, 2017 - Uploaded by Jack Hartmann Kids Music Channel
Subitize is the ability to tell the number of objects in a set, quickly, without
counting. In this subitizing song name ...

### Subitize Up To 5 (soo-bi-tize) | Math Song for Kids | Jack ... - YouTube



https://www.youtube.com/watch?v=PSIA-u\_ABmU
Jun 24, 2017 - Uploaded by Jack Hartmann Kids Music Channel
Jack Hartmann's website: www.jackhartmann.com Remember to connect with
Jack Hartmann on his Social ...



## Thonk you.

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