

Welcome to the Read to Succeed Webinar series!

Presented by the
United Way of Greater
Nashville





1 2 3

Early Math Matters

The Importance of Math
in ECE

Welcome!

Welcome to RTS Webinar Wednesdays!

- Presenter – Elandriel Lewis
 - Senior Manager of Early Learning and Training, United Way of Greater Nashville

Brain Smart Start

- Unite and Connect
 - Please use the chat box to share your name, where you work, and a highlight from this past week.
- Disengage the Stress
 - Give me 5 breathing
- Commit
 - What do you give yourself permission to do during today's webinar?
 - Share in the chat box if you are willing



A reminder of your importance:

Strong Communities

Healthy Economy

Successful Parenting of Next Generation

Educational
Achievement

Economic
Productivity

Responsible
Citizenship

Lifelong
Health

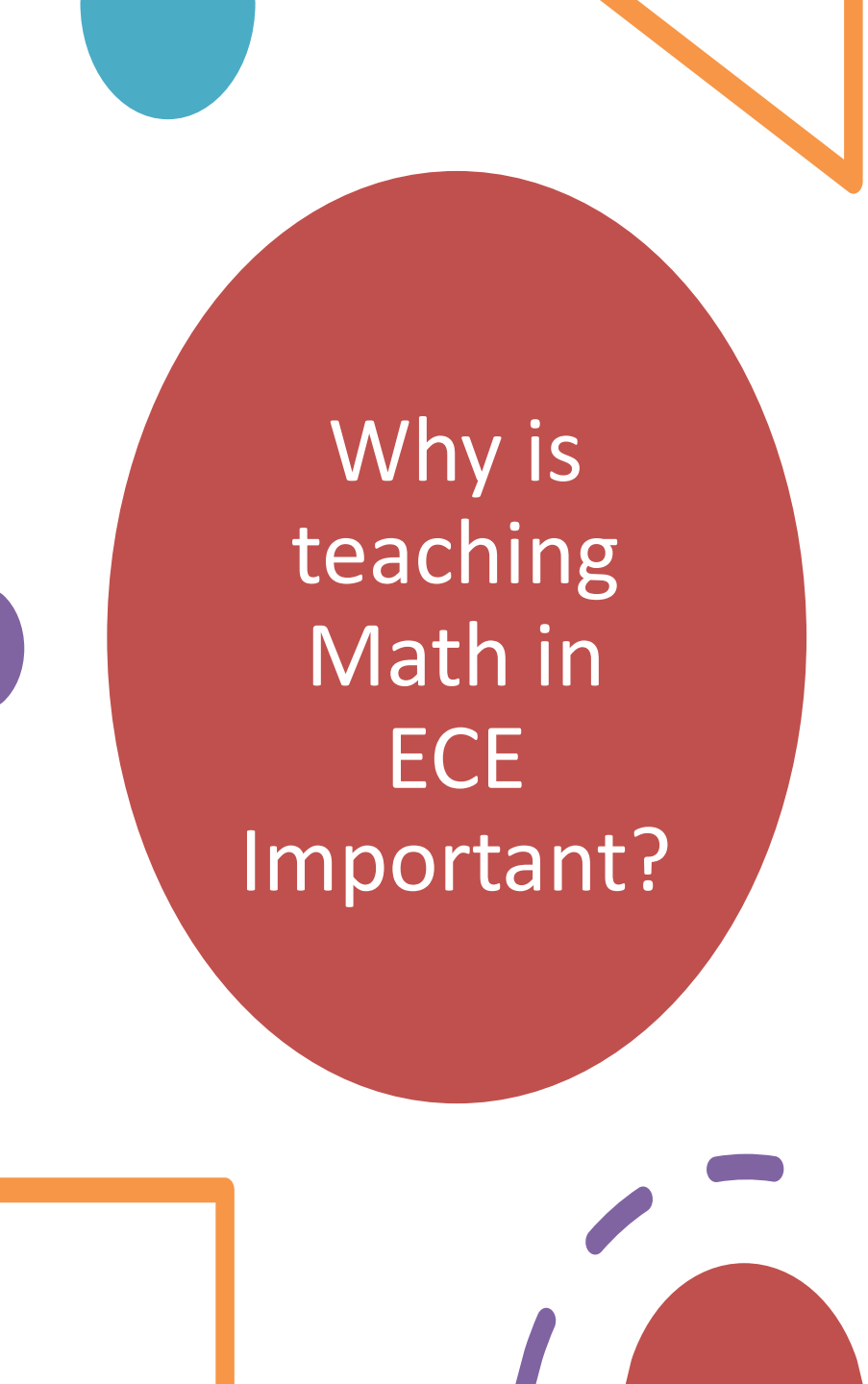
Healthy Child Development



Today's Objectives

Participants will:

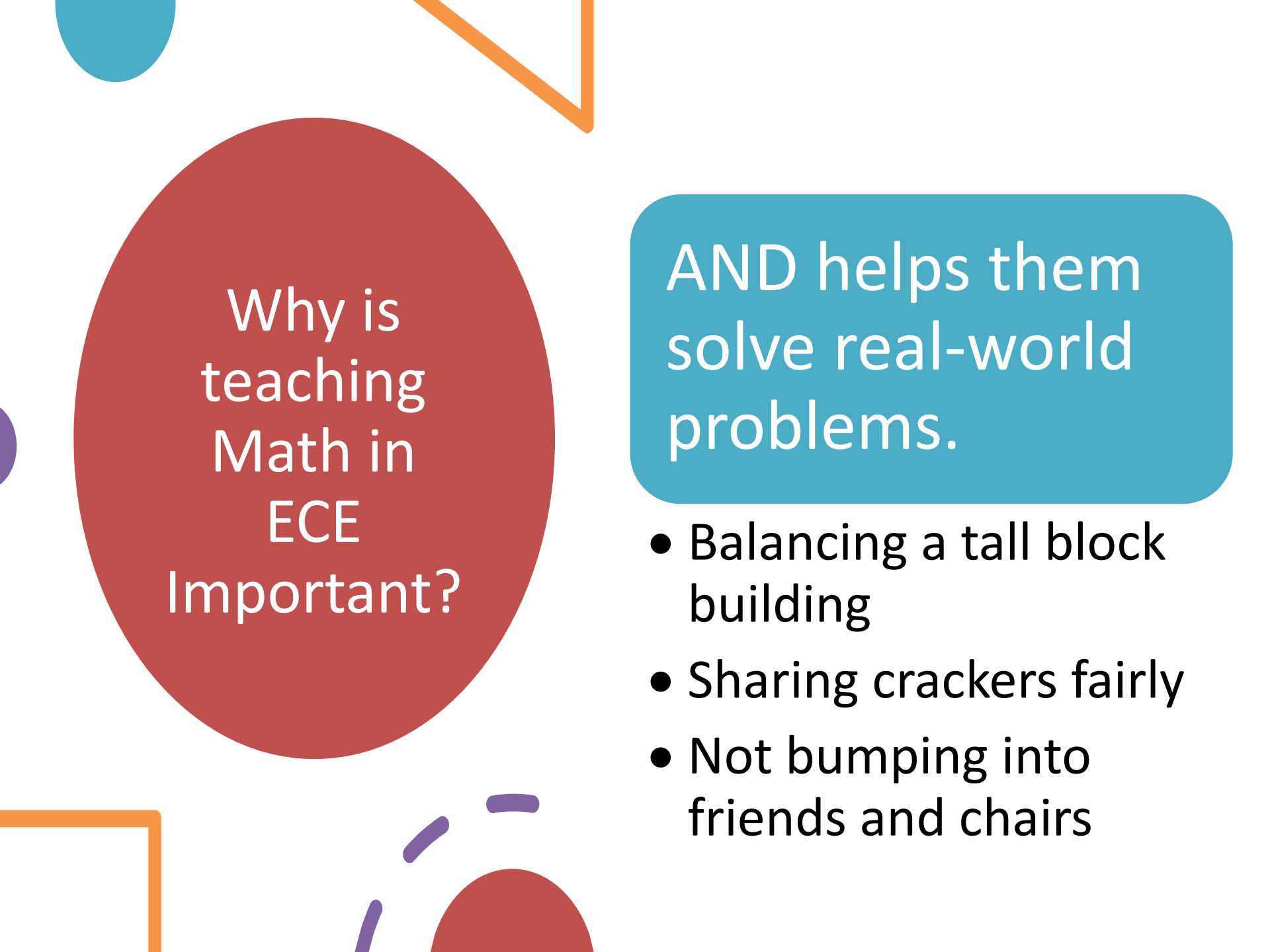
- Understand the importance of math in early education settings
- Explore the developmental progression of number concepts



Why is teaching Math in ECE Important?

Math helps children make sense of their world

- Comparing quantities (who has more?)
- Finding patterns (what comes next?)
- Navigating in space (how can I get there from here safely?)



Why is
teaching
Math in
ECE
Important?

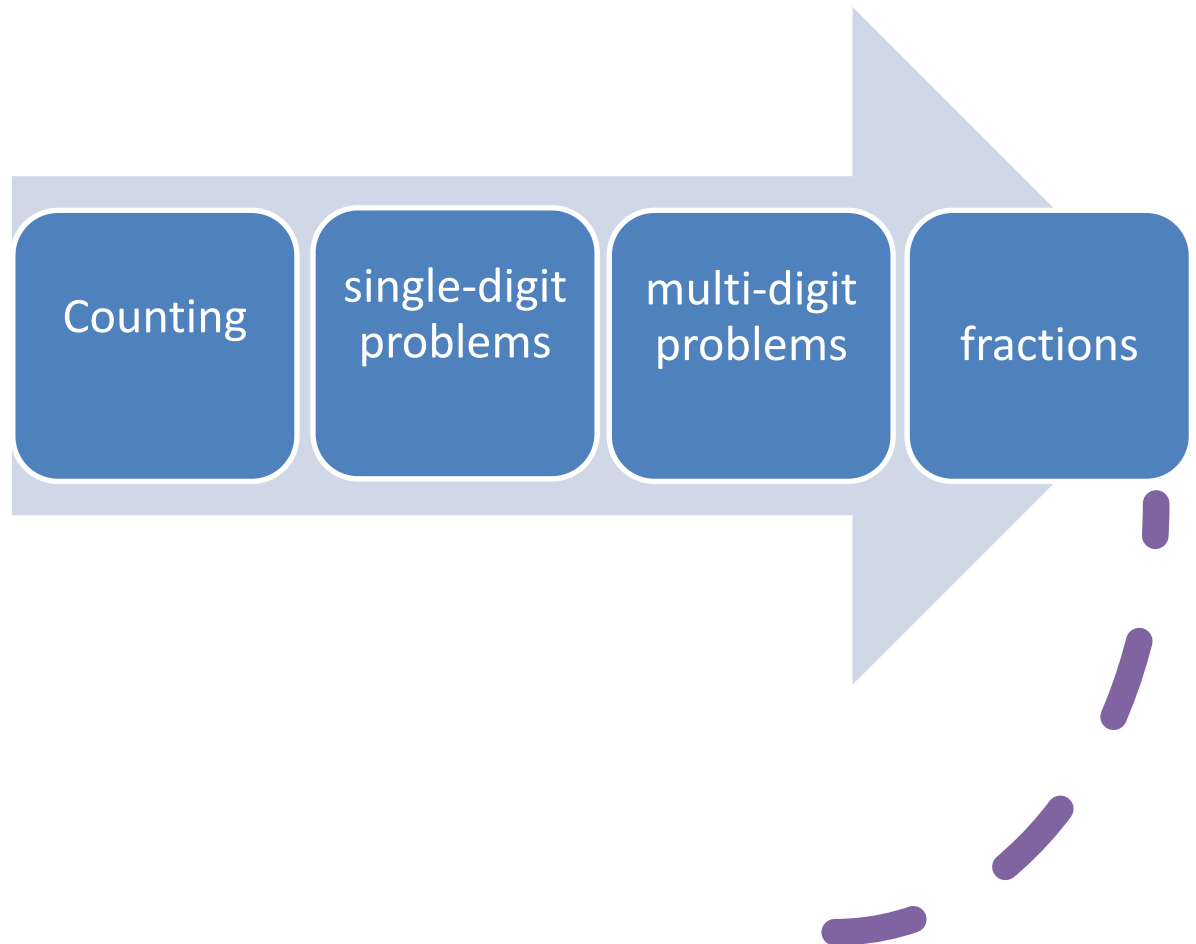
AND helps them
solve real-world
problems.

- Balancing a tall block building
- Sharing crackers fairly
- Not bumping into friends and chairs

Early math learning has a sizeable impact on a child's future.

1

Early math skills are built on for later skills.



Early math learning has a sizeable impact on a child's future.

The jobs of the future will be in STEAM

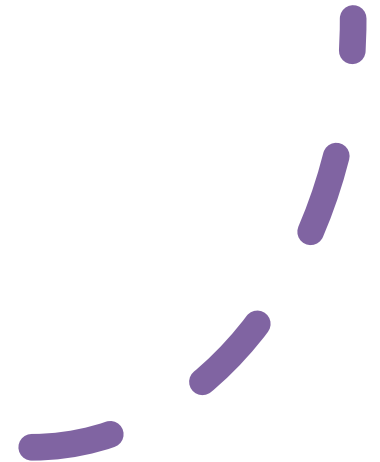
- Early exposure supports underrepresented populations to success.



3

Early math learning has a sizeable impact on a child's future.

Early math fluency = future literacy and school success



There's a problem

Studies show that ECE teachers report doing math activities every day

BUT only 6% of teachers consistently carry out math activities

AND 50% do not teach math at all.





Let's take a poll!

Math and You



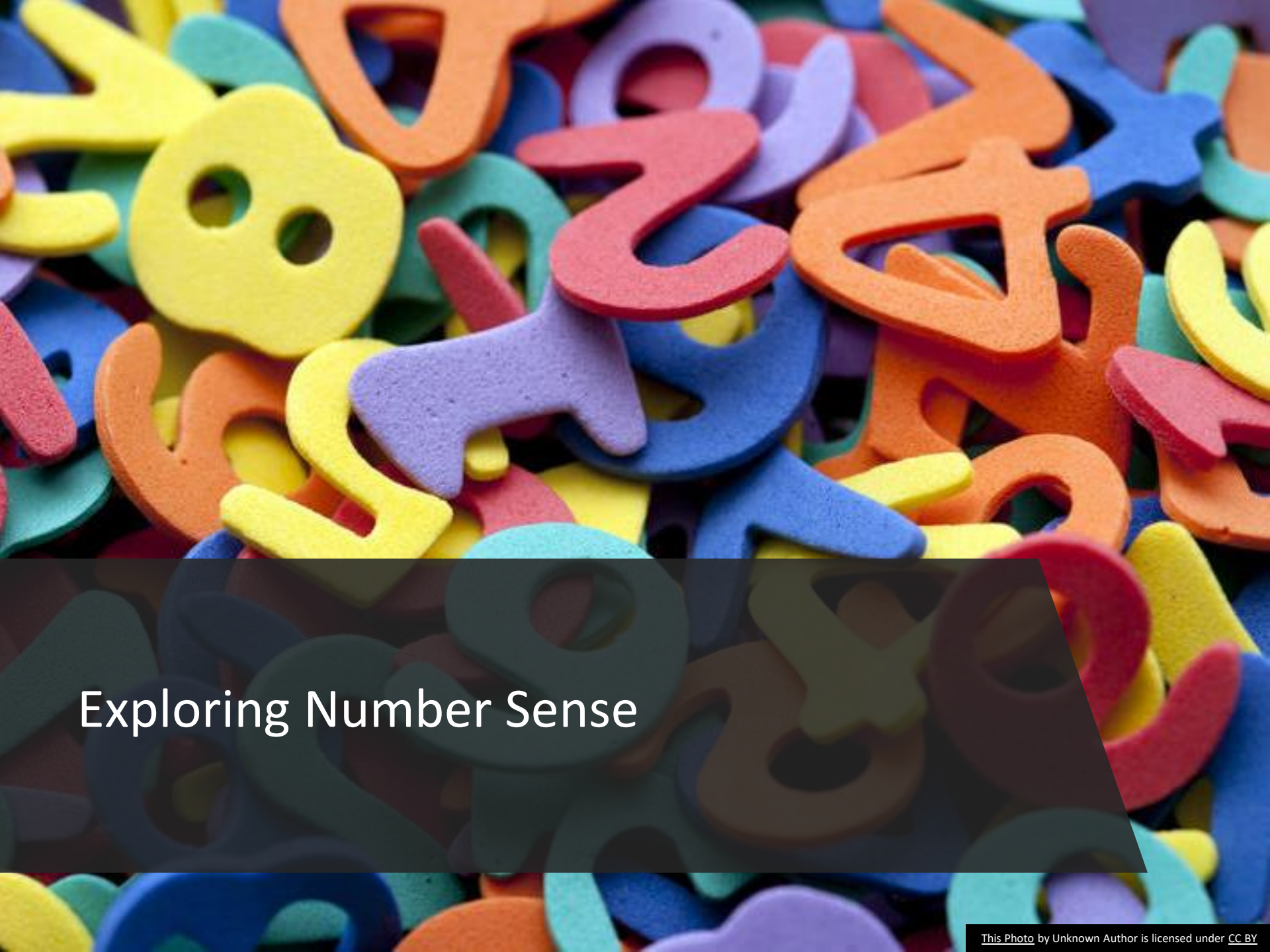


NECK AND
SHOULDER
ROLLS

Brain Break

Let's Get
More
Comfortable
with Math





Exploring Number Sense

Learning to Count

Fluency
= rote
counting

Comprehension =
understanding of
quantity and value



A Deeper Look at Teaching Counting

Learning the number words

- Number patterns in English can be different from those in other languages (thirty vs. twenty-ten)

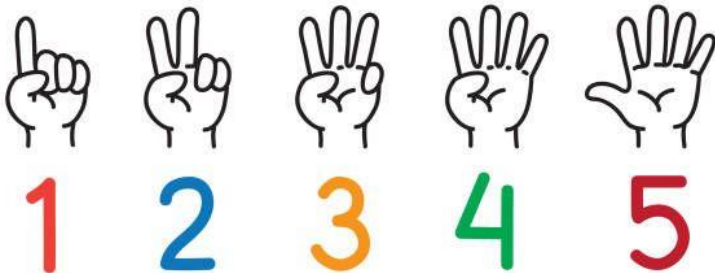
Learning the number words in order (**this is fluency**)

- This is not a race, we're building fluency (just like with the alphabet)

Identifying the symbol and matching it to the word

Understanding cardinality:

- the quantity represented by the number word and symbol (**this is comprehension**)






Tips on Teaching Counting

Building Fluency

- Learning to count isn't about speed – we're building fluency, just as in the alphabet
- Give the numbers a rhythm, make it a song (just like the alphabet)

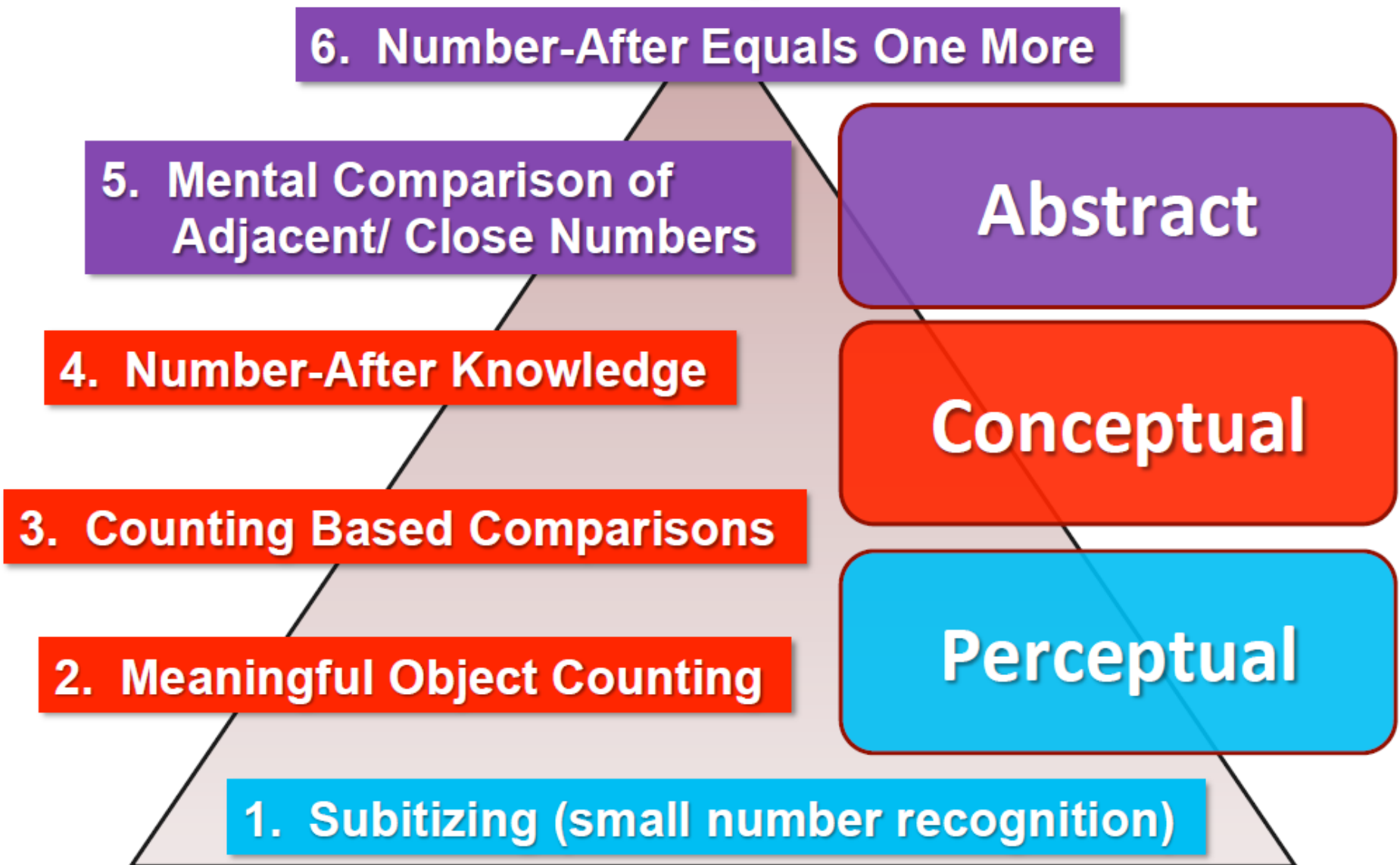
Building Comprehension –

- Number of the week activities are great when the number is reinforced consistently throughout the day/week.
 - how many different ways can we make this number?
 - Where can we find it?
- 

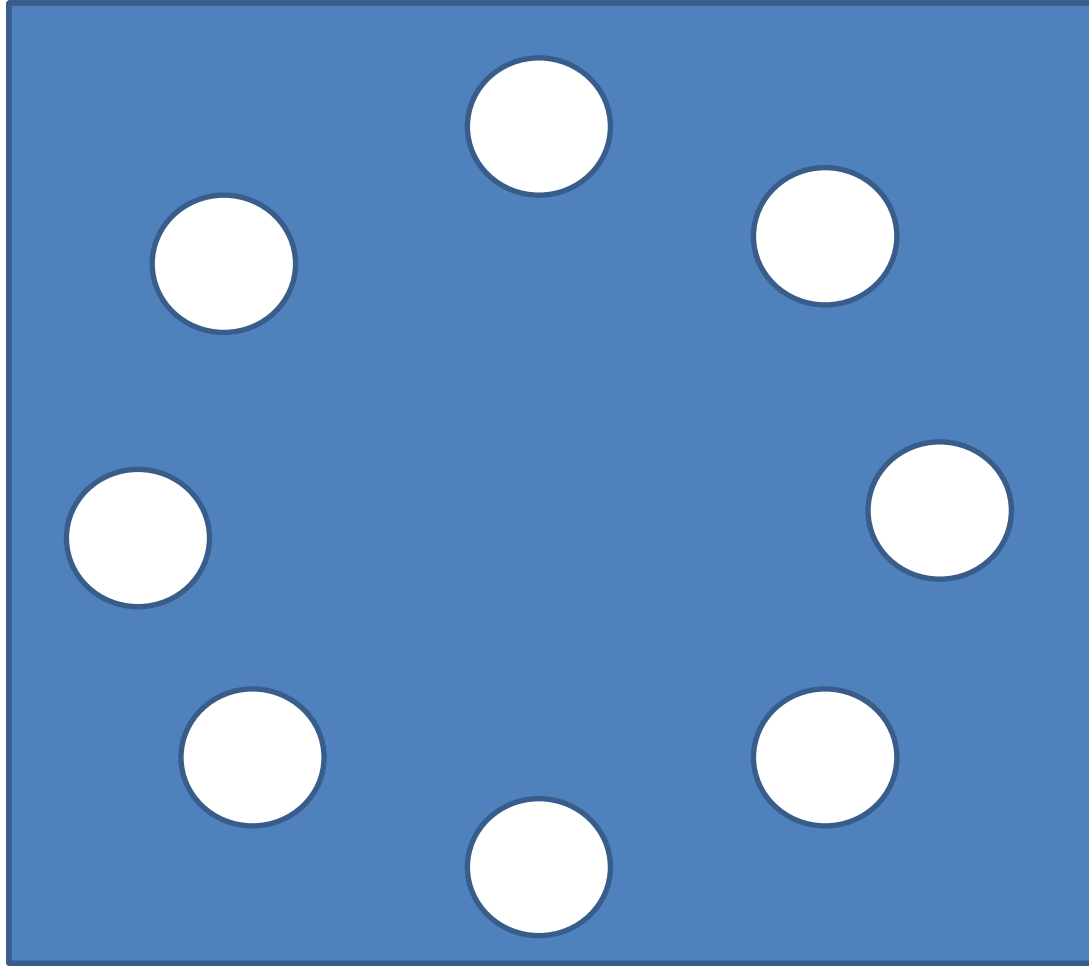


There is a developmental progression to
learning number sense

Developmental progression of number concepts:



Subitizing





Chat Box Question

How could you work
subitizing into a
classroom activity
and/or your theme?

Meaningful Object Counting

1:1 Correspondence

- Each number name represents a quantity.
- Counting allows us to know the quantity of items in a group (cardinality)



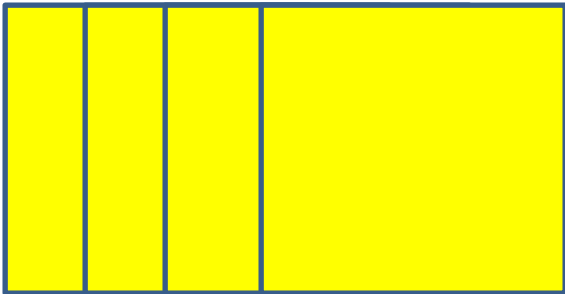


Chat Box Question

How could you work
1:1 correspondence
into a classroom
activity and/or your
theme?

Counting-Based Comparisons

More than, less than, the same as (equal)



Four is more than three.



There are more blankets and fewer bears.

$$4 > 3$$



Chat Box Question

How could you work
Counting-based
comparisons into a
classroom activity
and/or your theme?

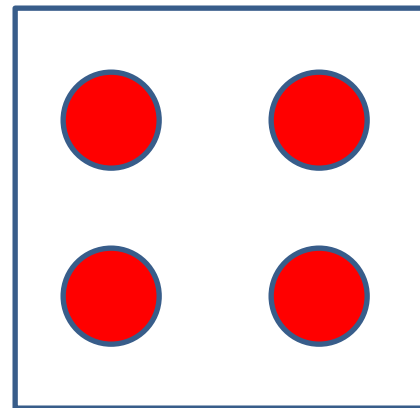
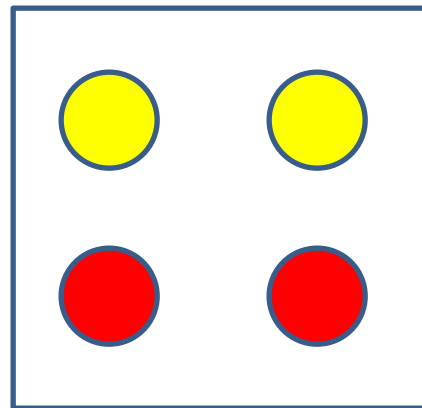
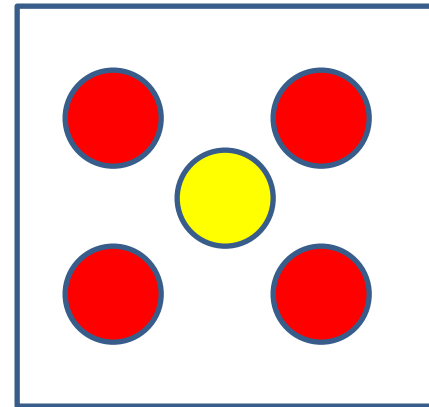
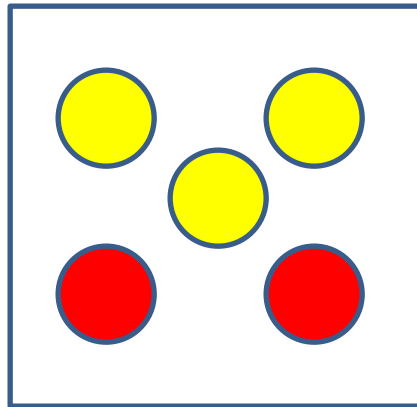
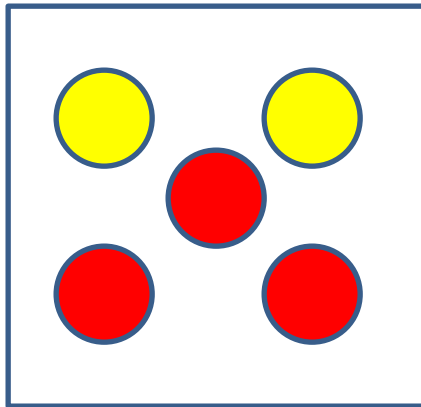


SIDE-BODY
STRETCHES

Brain Break

Composing and Decomposing

The different ways numbers can be made



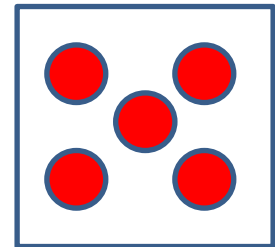
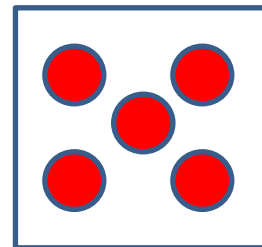
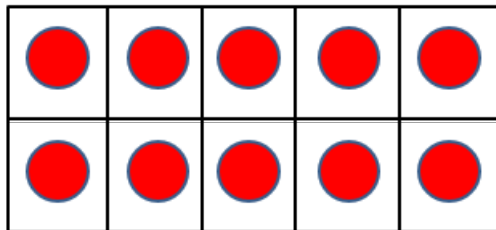
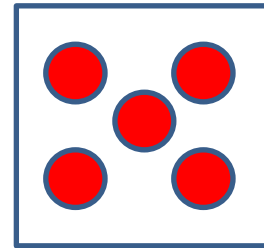
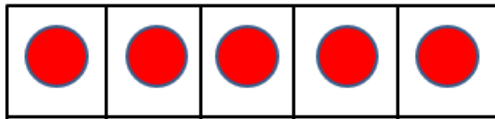


Chat Box Question

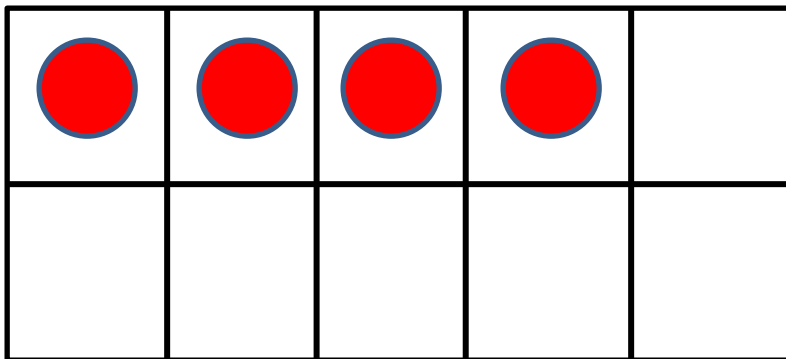
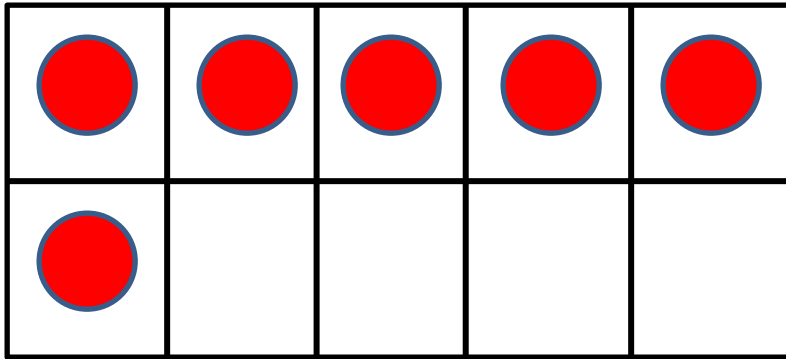
How could you work composing and/or decomposing into a classroom activity and/or your theme?

Introducing Ten Frames

With ten frames – making 5 then 10



Comparison of adjacent and close numbers



Six is more than four.

$$6 > 4$$

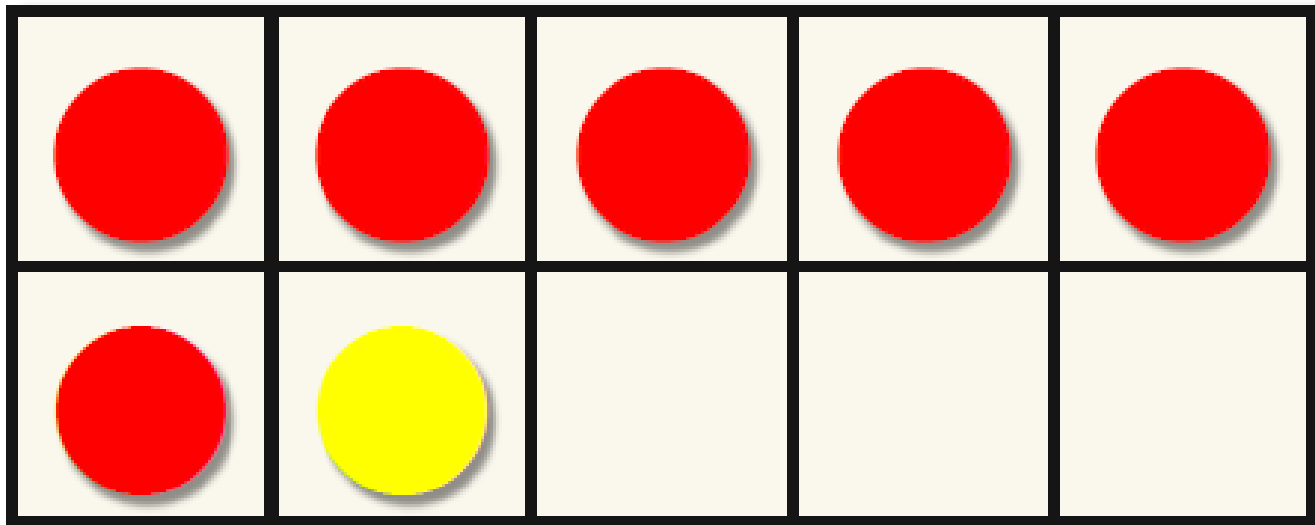
Four is less than six.

$$4 < 6$$

How do you know?

Number After Knowledge

This is the skill that teaches that the number after equals one more





Chat Box Question






How could you work
10 frames into a
classroom activity
and/or your theme?



Play is at the
heart of all
early learning

Intentional, Responsive Teaching:

A Continuum Of Distributed Practice


I Do/ You Watch	I Do/ You Participate	We All Do Together	I Watch/ You Do
<div>Modeling Mathematical Thinking</div> <div>←————→</div> <div>Honing Your Skills</div>			
<ul style="list-style-type: none"> • Taking Attendance • Read-Aloud  	<ul style="list-style-type: none"> • Class Survey/ Graph • Number Talk 	<ul style="list-style-type: none"> • Math Games • <i>Investigation/ Project Work</i> 	<ul style="list-style-type: none"> • Self-Selected Learning Centers • Journaling 

Chat Box Exercise

Ask a question about a topic

Share a thought on how you could use these topics in your teaching

Share an “a-ha!” moment you had





WHY UNITED WAY

OUR WORK

GET

READ TO SUCCEED TRAINING



For more information, please contact Elandriel with any questions.

We're offering Read to Succeed training for early learning professionals including teachers, paraprofessionals, and administrators.

Latest Webinars

All webinars are DHS approved. Complete a reflection form via the unique Google Form link provided.

10/20/2020: CONSCIOUSNESS
PRESENTER: ELANDRIEL

FIND WEBINAR RECORDINGS...

[HTTPS://BIT.LY/2GFW1YB](https://bit.ly/2GFW1YB)

[HTTPS://BIT.LY/2YQWLQV](https://bit.ly/2YQWLQV)

FIND AND REGISTER FOR FUTURE WEBINARS



United Way of Greater Nash

Read to Succeed is an early childhood initiative of the United Way of C
Succeed unites early childhood professionals to align knowledge, skills,
long academic success and well-being for children and

Live Events 2 Past Events 1



WED, MAY 13 12:00 PM

Read to Succeed Webinar Wednesday - Read It Again!

FREE

#FamilyEducation #Class



WED, MAY 20 12:00 PM

Read to Succeed Webinar Wednesday - Watching the Clouds

FREE

#FamilyEducation #Class





FIND MORE EDUCATIONAL OPPORTUNITIES

- <https://www.edutoolbox.org/earlylearning>

EARLY CHILDHOOD LEARNING TOOLS

The Ayers Institute is excited to share a free, comprehensive, professional learning program for early childhood educators working in a variety of settings. Our professional learning program includes model lesson videos, an online learning module, and a resource library with over 100 resources. These professional learning resources were created through a collaborative partnership with educators across middle Tennessee.



RESOURCES

[➔ BROWSE](#)

Our early childhood resource library holds over 100 resources for early childhood teachers. Resources include, but aren't limited to, small group lesson plans, interactive read aloud guides, classroom management tools, social-emotional learning resources, and professional growth resources for educators.



MODEL LESSON VIDEOS

[➔ WATCH](#)

Our model lesson videos feature three Nashville-area teachers in a variety of authentic classroom settings. The videos are designed for educators to explore 3 topics: writing opportunities in a pre-K classroom, mathematics opportunities in a pre-K classroom, and child-led inquiry through an emergent curriculum in a pre-K classroom. Each video has an accompanying facilitation guide for educators to use in leading group discussions.



ONLINE LEARNING MODULE

[➔ DETAILS](#)

Our FREE online learning module, *Fostering Language Development in a Pre-K Classroom*, encourages early childhood educators to consider the impact that daily conversation with young children has on literacy development. The module is designed for educators to work through independently or alongside a professional learning community as a literacy study. Upon completion of the module, educators receive a certificate of completion that can provide evidence of 6 hours of literacy professional learning.



Tennessee
Secretary of
State
Tre Hargett



Welcome to the Tennessee Online Voter Registration System

Online Voter Registration: You must have a Tennessee driver's license or Tennessee Department of Safety and Homeland Security ID card. If you do not have a Tennessee driver's license or Tennessee Department of Safety and Homeland Security ID card, you must have a valid Tennessee mailing address.

TN requirements to vote:

- You must be a U.S. Citizen
- You must be a resident of Tennessee
- You must be at least 18 years old on/or before the next election
- If you have been convicted of a felony, your eligibility to register and vote depends on the type of conviction. If you are ineligible, you may regain your eligibility if your conviction has been expunged or if a court has determined you are no longer a danger to society. If a court has rendered you permanently ineligible to vote, [Learn more on our website.](#)

Instructions:

Fill in all the required fields on the application.

An online application for a new voter registration must be submitted at least 30 days before the next election.

A printed voter registration application for a new voter registration must be submitted at least 30 days before the next election.

Voter registration records are public records, open to inspection by anyone.

View frequently asked questions about online voter registration.

REGISTER TO VOTE!

- General Info on Registering to Vote - https://vote.dosomething.org/?r=source:web,source_details:hellobar
- Register to Vote in TN - <https://ovr.govote.tn.gov/>



I WISH
YOU WELL