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Give Me 5:

Supporting Two Generation Early Math Learning Through Guided Play

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Services for children 0-5

and the adults who care for them

OVERVIEW

TODAY WE WILL COVER…

- Overview of Give Me 5 Math Curriculum
- Playgroup Session Structure
- Sample activities
- Concrete strategies for integrating math into play and daily routines

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WHAT IS GIVE ME 5 MATH?

- Family playgroup series
- Math focused
- Engaging, age appropriate activities
- Supportive learning community

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SESSION AT A GLANCE

What does a Give Me 5 Math session look like?

- Whole Group
  - Math themed Read Aloud
  - Song or game
  - Intro to activity of the session
- Adult-Child activity
- Sharing and closing

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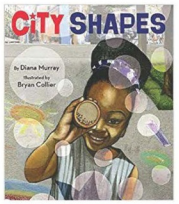
MATERIALS & HANDOUTS

EARLY MATH



Storytime Activity Guide

City Shapes

written by Diana Murray and illustrated by Bryan Collier

More than just a simple book for exploring geometry, *City Shapes* is a poem about the beauty and symmetry that surrounds us. Told through the perspective of a curious child who is seeing the shapes in their environment, *City Shapes* is a vibrant story to help your child become more aware of the geometry in our world.

Did you know?

A good foundation in **early math** prepares children for "math thinking," and for later academic success. **Early Math** includes number sense, classifications and patterning, measurement, mathematical reasoning, and geometry (shapes). While reading *City Shapes*, practice identifying the shapes that are pictured in the book. This will help develop your child's early math skills. You can even play a simple guessing game by asking your child which shape they think will come next.

Words to Practice

Round
Pointy
Straight
Long
Short

Talk about it!

- While you are reading City Shapes, ask your child to find shapes in your own environment. Do they see a circle in the room you are in? Can they find a triangle in their toys? How about a rectangle?
- Using the clues in the book, ask your child to try and guess what shape is coming next. Why did they guess that shape?
- Talk to your child about the attributes of each shape. How many sides does it have? Are the sides the same size? How many angles does it have?

Find More Online

Scan this QR code to for a Read Aloud of this book and more free resources.

qrco.de/CityShapesEN

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Todos los recursos se pueden encontrar en: tandembayarea.org y familymath.stanford.edu

DREME

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DREME

Create!

Paint your own neighborhood using shapes and sponges.

Materials needed:

- Foam shapes or sponges
- Scissors
- Markers or Pens
- Paper plate or pie pan to use as a paint palette
- Cardboard or Paper
- Non-toxic Paint for kids

1. Ask your child what shapes they will need to make a picture of your neighborhood.

2. Draw the shapes on your sponge and help your child to cut the shapes out.

3. Get your paint ready by pouring a little of each color onto your paper plate or pie pan.

4. Ask your child to use the sponge shapes as stamps and ask them to paint a picture of your neighborhood.

5. As your child paints, talk to them about the shapes they are using to make their picture.

Play: Shape Guessing Game

Describe a shape without using its name. "I'm thinking of a shape that has three sides. What shape am I thinking of?" "I'm thinking of a shape that's round but stretched. What shape am I thinking of?"

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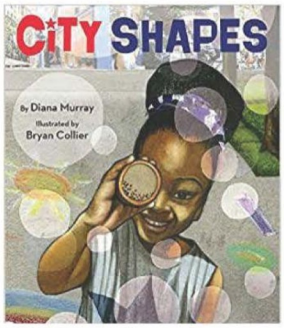
PARTS OF ACTIVITY GUIDES

EARLY MATH



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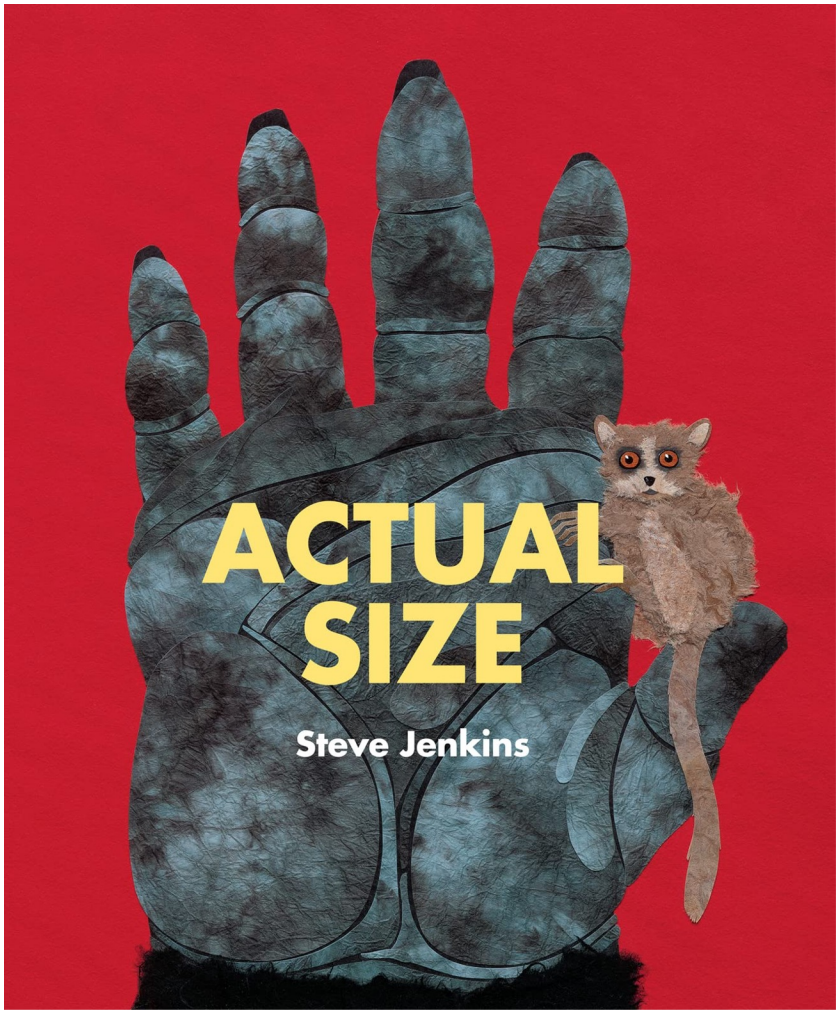
READ ALOUD DEMO



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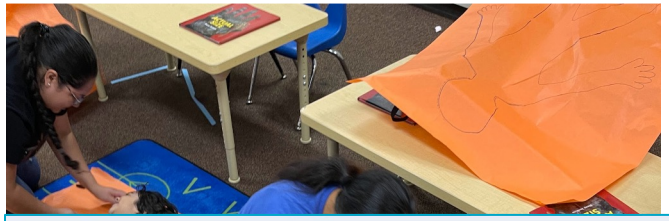
MEASUREMENT ACTIVITY



Did you know?

Measuring is assigning a number of units to some property of an object, such as length, area, volume, or weight. Young children compare and measure things all the time, and in natural and spontaneous ways. These early understandings of measurement are foundational for children's later math learning in school.

In the context of length, young children generally understand the concept of short, long, and tall, but standard units of measurement—centimeters and inches—are too abstract for them. Therefore, in early childhood, we measure the length of objects using "units" children can wrap their heads around. In today's example, we are using hearts, and steps.

By using the language of measurement and looking for everyday ways to talk about units and measurement, you can support your child's developing mathematical understanding.

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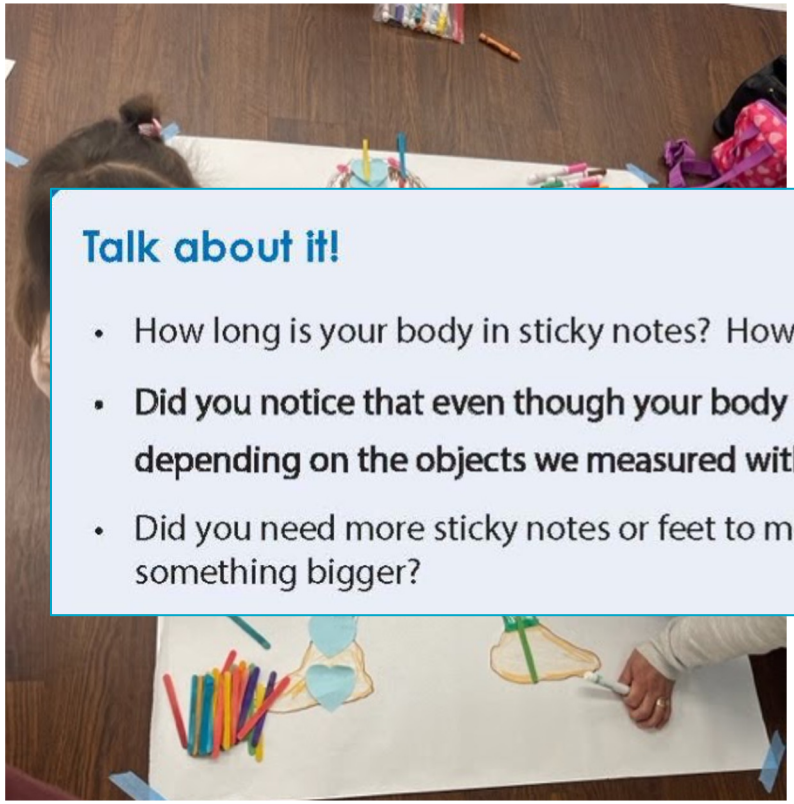

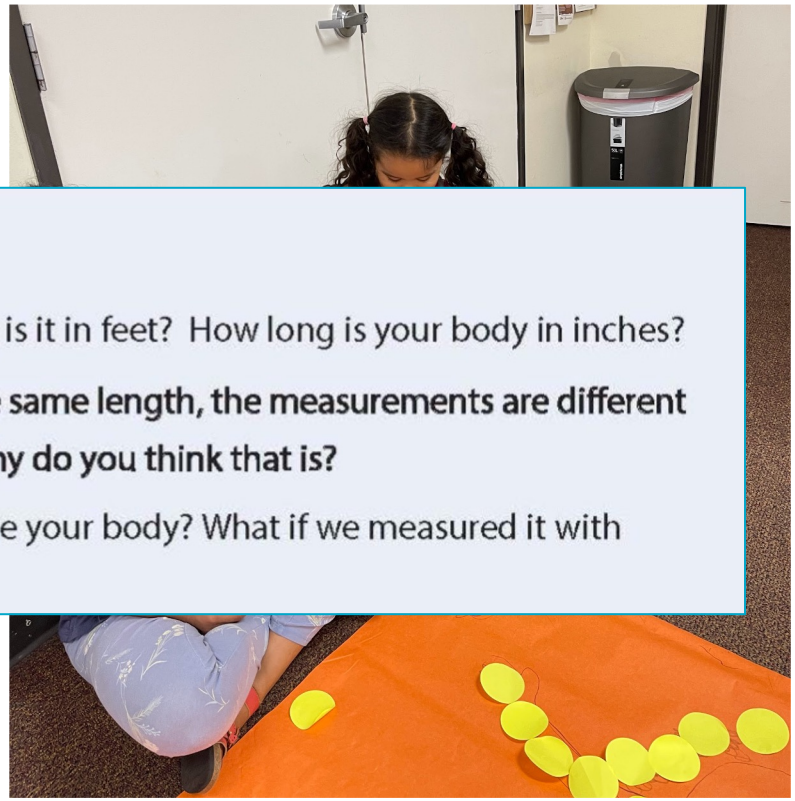

Talk about it!

- How long is your body in sticky notes? How long is it in feet? How long is your body in inches?
- **Did you notice that even though your body is the same length, the measurements are different depending on the objects we measured with? Why do you think that is?**
- Did you need more sticky notes or feet to measure your body? What if we measured it with something bigger?

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PATTERNS: SORTING AND CLASSIFYING

Did you know?

A pattern is a sequence of "units" that are repeated more than twice in a predictable way.

Patterns are everywhere! From patterns in nature like the cycles of the moon or the daily pattern of day to night, to patterns in music, and in the games we play, patterns form many of the structures that govern our lives. And being able to identify and complete patterns can help children be successful in school. Not only does it give them some predictability, laying the groundwork for multiplication and division, but it also provides a structure upon which they can explore. Today, we'll be talking about how to play with patterns as we're reading and playing.

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PATTERNS: SORTING AND CLASSIFYING

Talk about it!

In Pitter Pattern Lu learns that patterns can be found at soccer practice, during her piano lessons, in dance class, at snack time, and even at the park!

- As you share Pitter Pattern, ask about and point out the many patterns you can spot as Lu goes about her week.
- Connect the images you see to the space you are in. "Can you see a pattern in our house? Room? Your clothes?" Let's look!
- Talk about the many different types of patterns in the book and ask your child to point out a pattern they identify. Vocalize and point out a pattern and ask your child "What comes next?".

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STRATEGIES FOR SUCCESS!

- Be intentional
- Set expectations
- Keep it simple
- Give them the WHY
- Feel the vibes
- Provide cheat sheets
- Let families teach

REVIEW AND REFLECTION

What is one strategy you will try to incorporate into your math curriculum?

RESOURCES!

Coming soon to your inbox…

PDF of these slides

✓ Activity Guides

✓ Resource links

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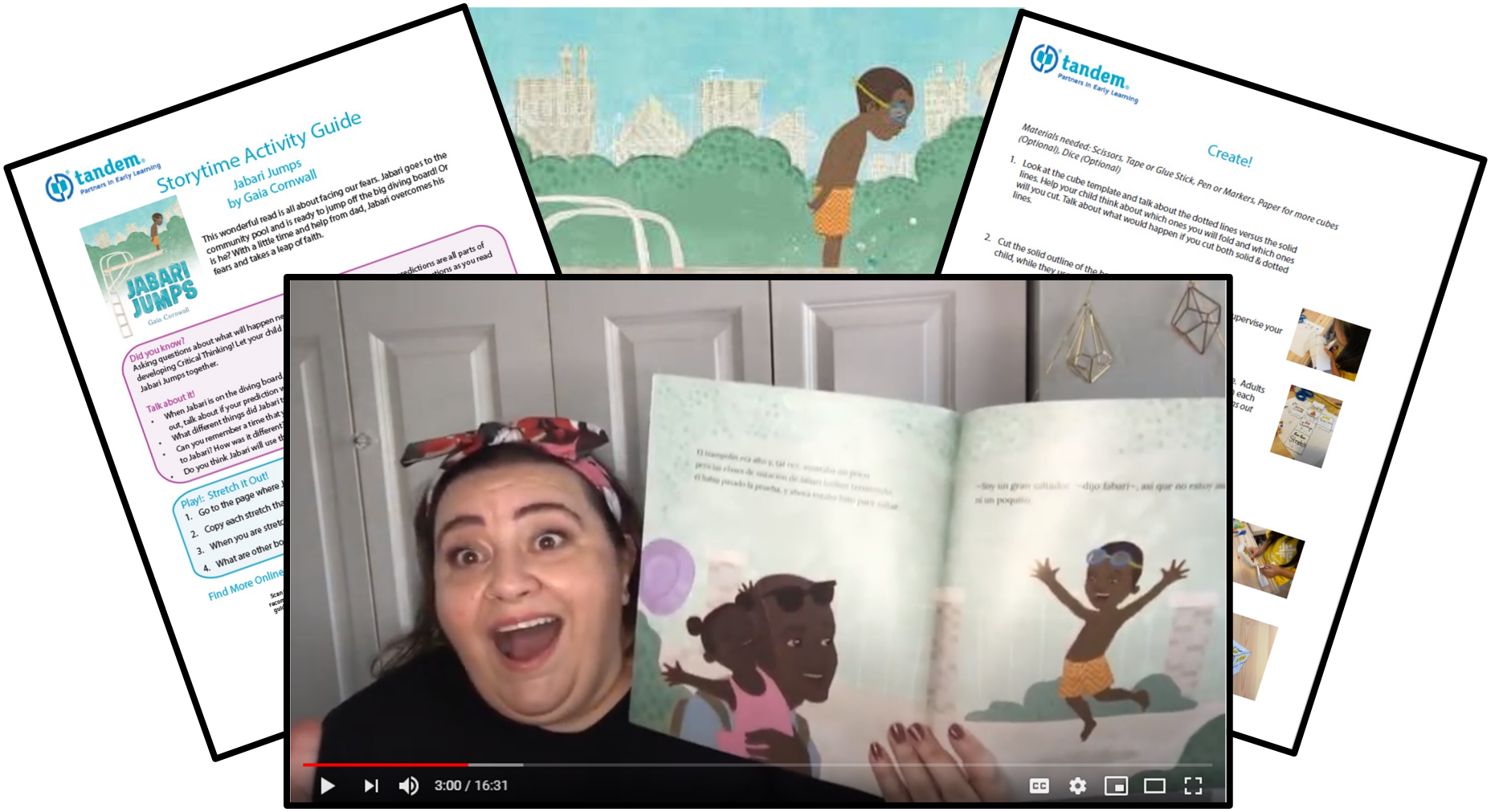

RESOURCES FOR LEARNING AT HOME

- Activity Guides
- Interactive Read Aloud Videos

tandembayarea.org/learning-at-home

LIVE WORKSHOPS AND READ ALOUDS

Learn more at:
tandembayarea.org/calendar

Register at:
tandem.ngo/signup

HELP US IMPROVE!

Help us grow by completing our survey.

tandem.ngo/survey

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We'd love to hear from you!
Please connect with us:

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Community Organization

Our mission is to co-create equitable, high-quality early learning experiences for families and children ages 0-5.

1275 Fairfax Ave #201, San Francisco, California

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