EARLY NUMERACY CALENDAR
March

AMSTI Alabama Math, Science, and Technology Initiative

EVERY CHILD, EVERY CHANCE, EVERY DAY. MATHEMATICS IMPROVEMENT

MY MISSING SHOE by Kate Miller-Wilson

I looked for you by the front door,
Under my bed, on the bathroom floor,
Near the back stairs, in the drawer with my socks,
Next to the table, and out in the sandbox.
My mother is calling me, and I'm calling you,
Where have you gone, my missing shoe?

NUMBER OF THE MONTH

8

2, 4, 6, 8! Who do we appreciate? EIGHT! 8 can be the leaves of two 4-leaf clovers. Where else can you find EIGHT the GREAT?

CLEVER MATH

What's the opposite?

- wet
- big
- old
- hot

What other opposites can you talk about?

MATH STORY

Laila needs 5 cupcakes for her party. Nana made 4. How many more do they need to make? Act out your solution!

CREATIVE MATH

Did you ever notice how the number 8 could look like a snowperson? Ever write the number 8 by making an S and connecting the ends? Make eights with crayons, paint, or chalk!

COUNT @ HOME

How many pillows and cushions can you find? Count carefully! Draw a picture of what you counted, then sort by softness!

SHAPE OF THE MONTH
CYLINDER

A cylinder is a 3-dimensional shape with two round bases of the same size. Count these cylinders, then go find more!

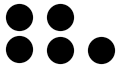
CONSTRUCTION ZONE

Explore open cylinders! Find a paper towel tube. Matching round bases? Nice and straight? Could you build one using paper? Would a blanket be a good building tool for this?

FAMILY SURVEY

Collect some data by asking people this question: Do you prefer the radio, TV, or YouTube? What were your results, and could you draw to share your data?

QUICK DOTS



QUICK! How many dots do you see? After that quick look, revisit: How can you be sure you're right?

DUCKS ON THE POND

Count 8 pennies ("ducks"). Hide 4 under a cup ("in their nest"). Say: I see 4 ducks on the pond. How many are in their nest? Count to check!

MATH IN LITERATURE
THE RAINBOW FISH

The Rainbow Fish had a problem. Nobody wanted to be his friend. How did he solve his problem?

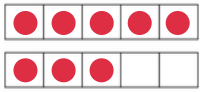
START WITH/ GET TO

In a place you can be LOUD, start with 0 and count up to 8 in a voice like a quacking duck. Then count back to 0. Use your fingers (or toes!) to keep track!

ORGANIZE & COMPARE

Find three items: One shorter than your thumb, one the same length, and one that's longer than your thumb.

DOUBLE FIVE FRAME



Count the red dots in the five-frames. What's one more? One less? How many more/ less to make 5 or 10 red dots?

ESTIMATE!

How many raw macaroni noodles do you think you could fit in a spoon? Estimate, then try it! What if you used a different type of noodle? What if you used a different spoon?

SHAPE HUNT

This month's shape is the cylinder. It could be open like a tube or closed like a can with a solid top/ bottom. In which rooms will you find the most cylinders?

COUNT IN NATURE

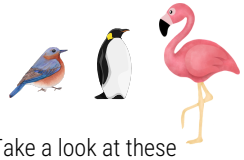
Take the counting outside! Find:

- a spider with 8 legs
- 8 blades of grass

SIMON SAYS...

- spin around 8 times (count out loud!)
- sit beside someone
- stand near a door
- sit under a light
- dance in the kitchen

SAME & DIFFERENT



Take a look at these items. What do they have in common? What's different?

THINK DISTANCE

Place a favorite stuffed animal in the center of the room. Find 3 things that are close to your animal and 3 things that are far away from your animal.

MATH @ THE STORE

Visit the fruit section. Count 8 of the tiniest oranges you can find. Now find 8 big oranges. Math is delicious!

PATTERN TIME

What comes next in this pattern of shapes?

Challenge: Copy this pattern with your own favorite shapes!

MATH HANDS

On your fingers, show EIGHT. Then show EIGHT another way. Count to prove that either way, it's still EIGHT.

LET'S TALK MATH

If 8 friends wanted to play, how could they make 2 teams? Think of a way they could make equal groups and a way they could make unequal groups. Use stuffed animals to check your math!

HUMPTY DUMPTY

Humpty Dumpty sat on a wall. Humpty Dumpty had a great fall! All the king's horses and all the king's men couldn't put Humpty together again!

What could you break and fix? With glue? Tape? What would be unfixable?