EARLY NUMERACY CALENDAR

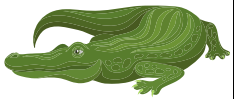
May

AMSTI Alabama Math, Science, and Technology Initiative

MATHEMATICS IMPROVEMENT

THE CROCODILE by Lewis Carroll

How doth the little crocodile improve his shining tail,
and pour the waters of the Nile on every golden scale!
How cheerfully he seems to grin,
how neatly spreads his claws,
And welcomes little fishes in,
with gently smiling jaws!



NUMBER OF THE MONTH

10

Most people have 10 fingers on their hands and 10 toes on their feet. That's not true for all our pets. Go on a toe hunt and count your pets' toes!

CLEVER MATH

I want a snack. How many grapes would be a reasonable amount to eat? What number is too high? Too low?

MATH STORY

Phenicia has 5 cookies. Some are sugar cookies and some have chocolate chips. What combinations of cookies could she have?

CREATIVE MATH

Make green handprints to create a tree with ten green branches. Give your tree a trunk. What other details can you add to your ten-branched tree? Nature is art!

COUNT @ HOME

Set a timer for one minute and count the cars that drive by. Try it again later in the day. Did you count more or less than the first time?

SHAPE CHAT

What has more sides:

- triangle
- hexagon
- square

How do you know?

CONSTRUCTION ZONE

Use pretzel sticks and marshmallows to construct 2D and 3D shapes. As you make each one, tell about it. This is a square. It has four sides that are all the same length.

FAMILY SURVEY

Collect some data by asking people this question: Do you prefer tacos or burritos? 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?

GATORS IN THE SWAMP

Count 10 pennies ("alligators"). Hide 1 under a sheet of paper ("under the water"). Say: I see 9 alligators. How many are under the water? Count to check!

MATH IN LITERATURE
ROSIE REVERE, ENGINEER

Have you ever given up? Tell about a time that you wanted to quit, but you persevered anyway! Go build something amazing!

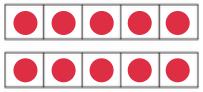
START WITH/ GET TO

Start on zero and count up to 10. Mix it up! Ask your grown-up to count and suddenly pause, and YOU fill in the blanks! 0, 1, 2, 3, 4, __, 6, 7, __, __, 10!

ORGANIZE & COMPARE

Find 3 items that are smaller than a jar of spaghetti sauce. What if you used a soup can instead? Would that change any of your items?

DOUBLE FIVE FRAME

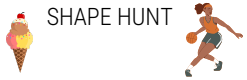


Count the red dots in the five-frames. What's one more? One less? How many more/ less to make 5 or 10 red dots?

ESTIMATE!

Pick two different-sized glasses from the cabinet. Which do you think will hold the most liquid? Ask your grown-up to help, and test it out! Get curious and try other containers!

SHAPE HUNT



Notice the world around you today. What 2D and 3D shapes can you find in the kitchen, on the court, or in a book? When you notice, they're everywhere!

COUNT IN NATURE

Take the counting outside! Listen for:

- 2 different bird calls
- 3 different bug sounds
- 4 different people's voices

SIMON SAYS...

- be small like a firefly
- be large like an elephant
- be bouncy like a rabbit
- be still like a rock

SAME & DIFFERENT

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

THINK DISTANCE

Let's race! Ask your grown-up to set a timer for 30 seconds. When they say GO, see how far you can run. Ask others to race, too. Who ran the longest and shortest distances?

MATH @ THE STORE

10

Did you notice that each aisle in the store has a number? What can you find on aisle 10? Is it the same in every store?

PATTERN TIME

Use stomps and claps to create this pattern:

XOXOXOXO....

Make more patterns! Math is fun!

MATH HANDS

On your fingers, show TEN. Borrow someone else's hands. Can you find a second way to show TEN?

1, 2, 3, 4, 5... 6, 7, 8, 9 , 10

LET'S TALK MATH

The meaning of numbers can change, depending on the story. Would you rather have ten pizzas or ten slices of pizza? How hungry are you?

APPLES IN THE TREE

1 little, 2 little, 3 little apples;
4 little, 5 little, 6 little apples;
7 little, 8 little, 9 little apples;
10 apples in the apple tree!

Then along comes a mighty wind! Whoosh!
10 little, 9 little, 8 little apples... 1 apple in the tree!