



# ZOO KEEPER 123 BOOT CAMP



A Brain-Based Introduction  
to Numbers and Number Sense

0 - 20 21 DAYS

DEVELOPED BY



Math  
alive



# Welcome

Zoo Keeper 123 Boot Camp™ was developed in partnership with Mr. Greg of The Kindergarten Smorgasboard. It is an introduction to number recognition, number writing, and more including the magic from Math alive® along with the strongest and most effective resources from the original Numbers Boot Camp™.

Zoo Keeper 123 Boot Camp™ is designed to introduce numbers and number sense from 0-20. Each day you will focus on a number from 0-20. Your students will learn to recognize the number, write the number, learn various ways to represent the number, and more. Zoo Keeper 123 Boot Camp contains whole-group activities, independent practice, as well as collaborative centers.



**Be sure to watch our great introduction video:**

**Simply search for:  
“How to Use Zoo Keeper  
123 Boot Camp” on YouTube!**





# Overview

Zoo Keeper 123 Boot Camp™ is a brain-based, rigorous, immersive classroom-proven 21-day introduction to numbers and counting. It is one part of the Math alive® supplemental curriculum.

This Boot Camp allows you to introduce numbers and counting in a few weeks so your students can quickly begin leveraging that knowledge for other required math skills.

## A Typical Day of 123 Boot Camp:

Play the Zoo Crew Counting Song (up to 20)

Review Numbers 0-20

Introduce Number with Circle Chart

Explore Number with Math alive

Explicitly Model Number Formation

Do Small Group Activity (5 choices)

Optional: Introduce Math alive Journals and award students with number sticker.

In Week 3, introduce Math Centers.

## Zoo Baby Number Parade

At the completion of Zoo Keeper 123 Boot Camp, you will celebrate with a **Zoo Baby Number Parade** and will present the students with Zoo Keeper 123 Boot Camp Certificates.



# Number Circle Charts

Watch Mr. Greg Modeling the Number Circle Charts  
<https://youtu.be/JzBjdyht1SI>

## Prep:

- Print and cut out the pieces for each circle chart.
- Glue the large number in the middle of a sheet of chart paper.
- To save time, create all 21 Number Circle Charts for pre-planning.

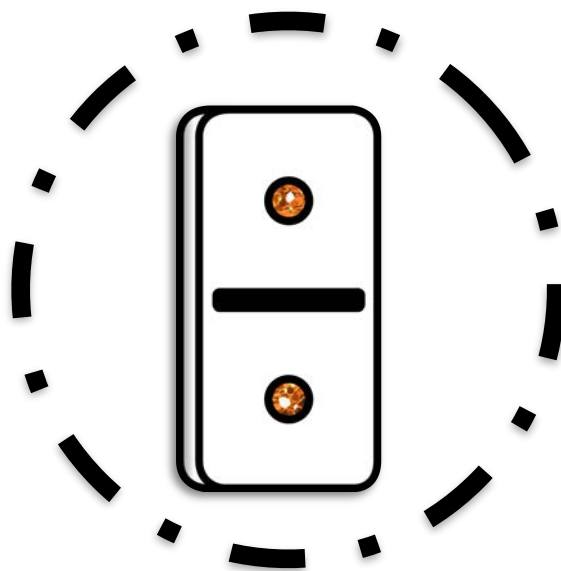
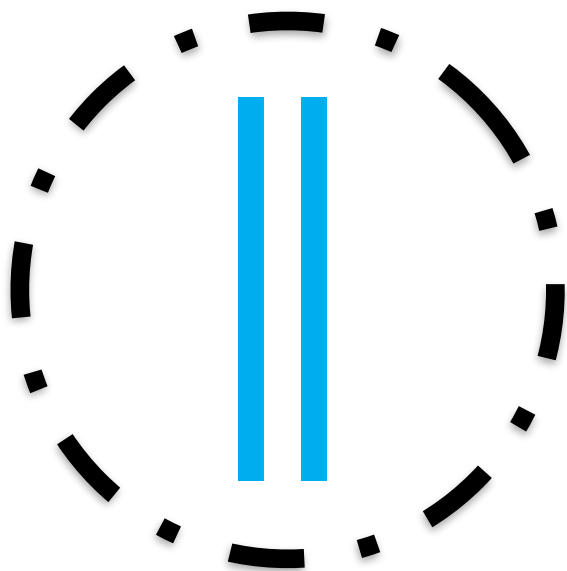
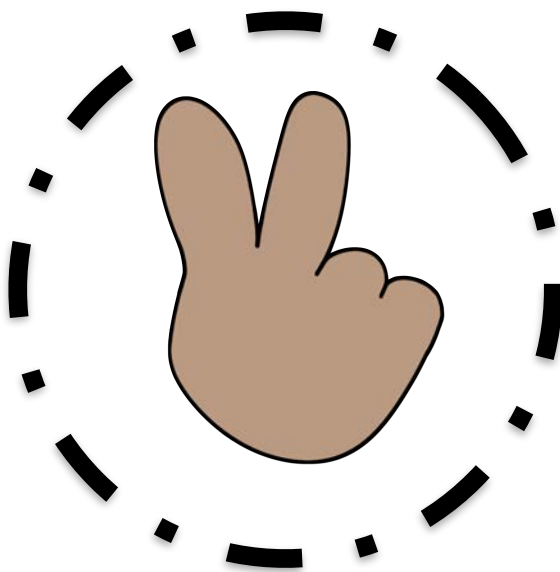
## Teach:

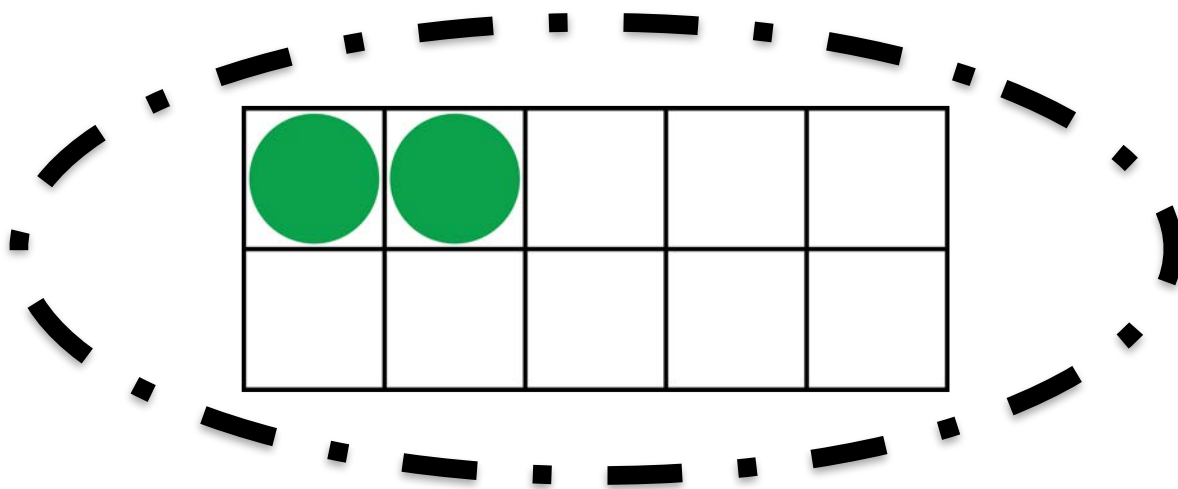
- Complete the circle chart with your class by discussing the number and each piece that represents the number.
- Use the ordinal number cards as an additional piece for your circle charts if your students are ready to learn about ordinal numbers.
- Place pieces for 3 numbers (including your number of the day) in a separate pocket chart. Talk this through with your students.
- Discuss the number in the circle chart and have your students count to that number as a group.
- Ask a volunteer to come to the pocket chart and find a piece that shows the number of the day.
- Discuss the chosen piece as a group.
- Ask class, “Does this go on our circle chart?”
- Glue the piece to the circle chart. (if it doesn’t go on the chart, ask the class why and place it back in the pocket chart.)

This is a great opportunity to introduce math terms such as ten frames, tally marks, how many, and more!

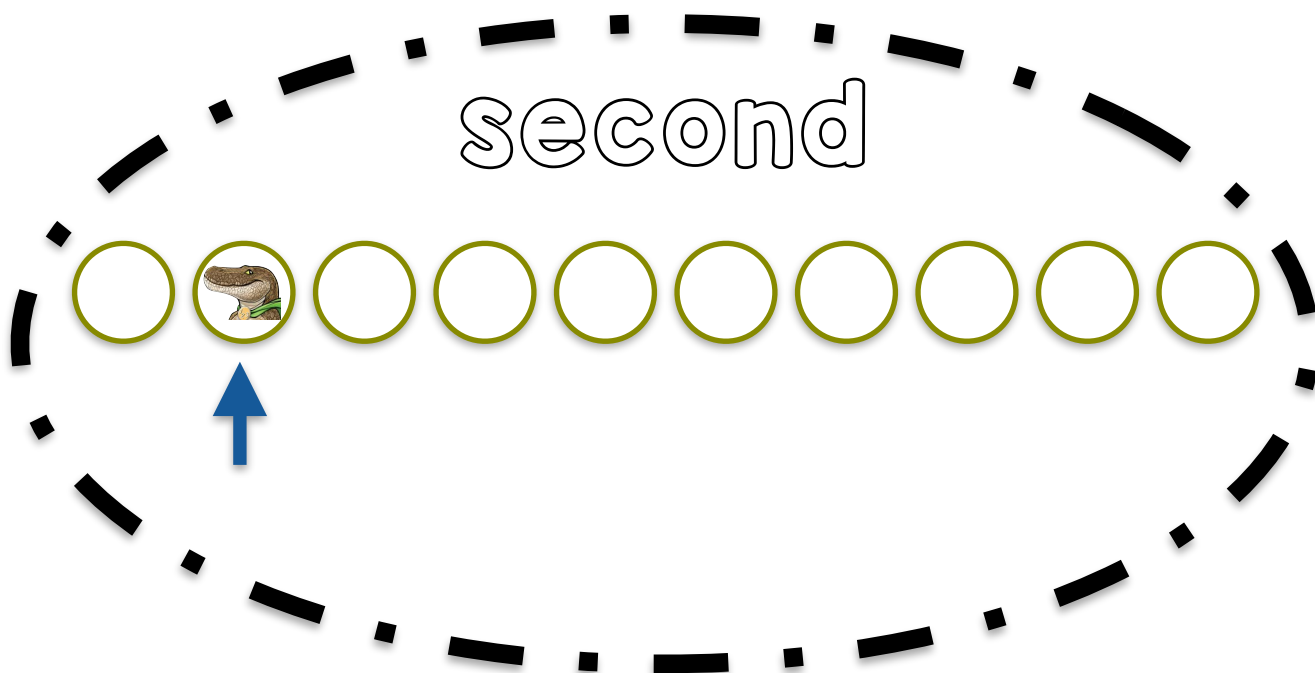








second



# Handwriting

Watch Mr. Greg Modeling Number Writing  
<https://youtu.be/qW3zOQV6Y9E>

## Prep:

- Print the handwriting sheets.

## Teach:

- Model how to form the number of the day.
- As a whole group, have students practice writing the number on dry-erase boards.
- Students can then practice independently by tracing and writing the number on their handwriting sheets.

## Optional:

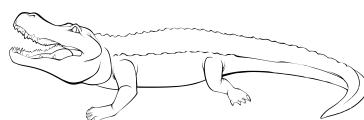
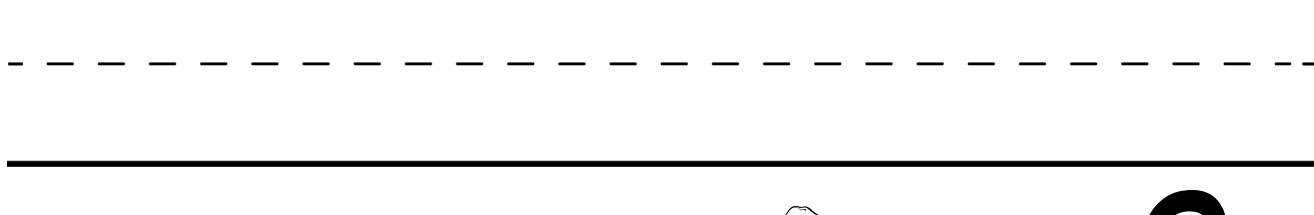
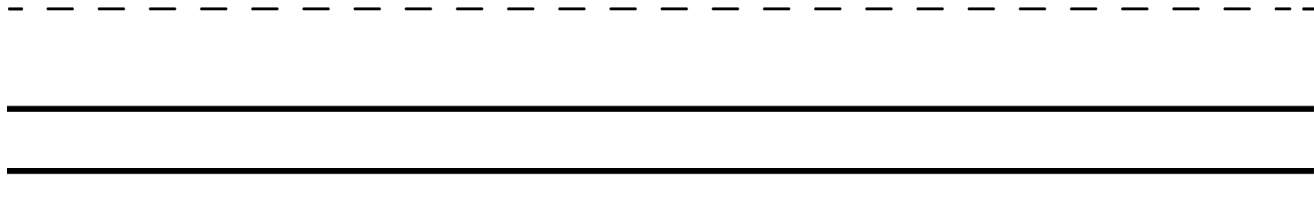
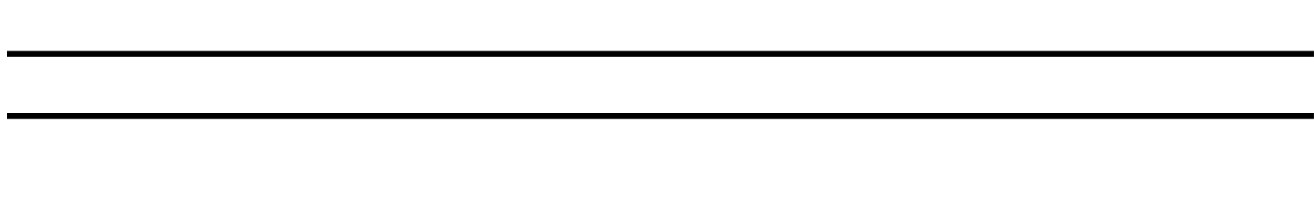
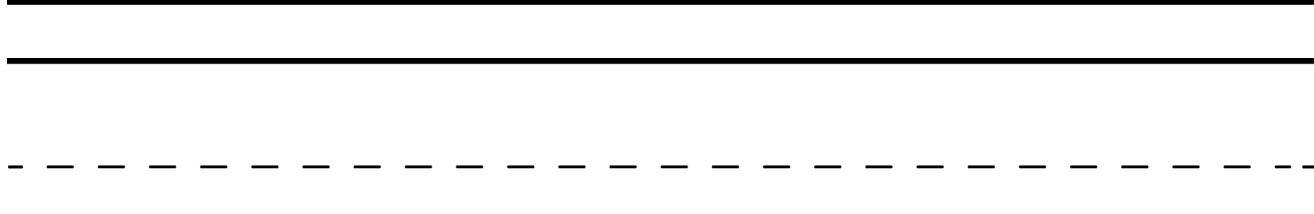
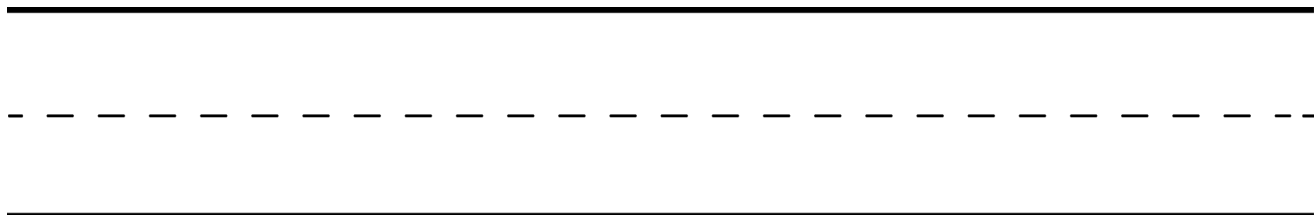
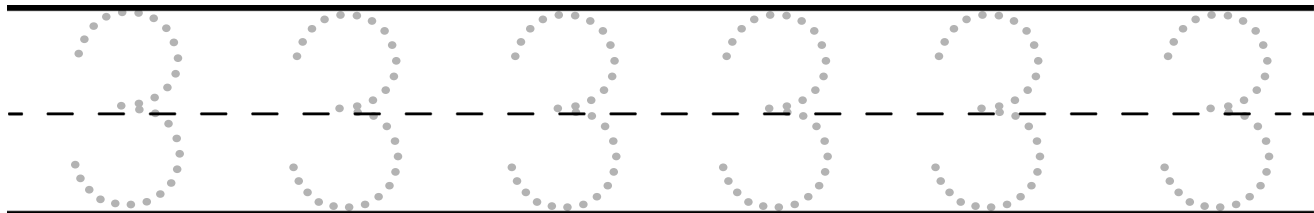
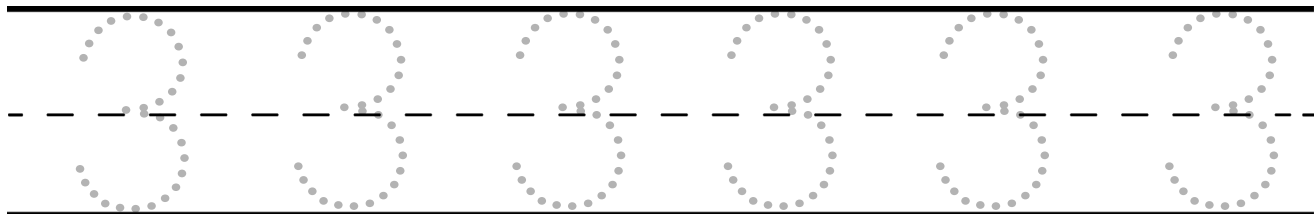
- Students can also practice independently with the Journals alive app.
- Dr. Jean's numeral song (on YouTube) is also a great tool for helping students learn how to form each number.





Name \_\_\_\_\_

Trace. Write.



# Number Art

(For creating your own counting book!)

Number Art is a fun way to practice number recognition and one-to-one counting.

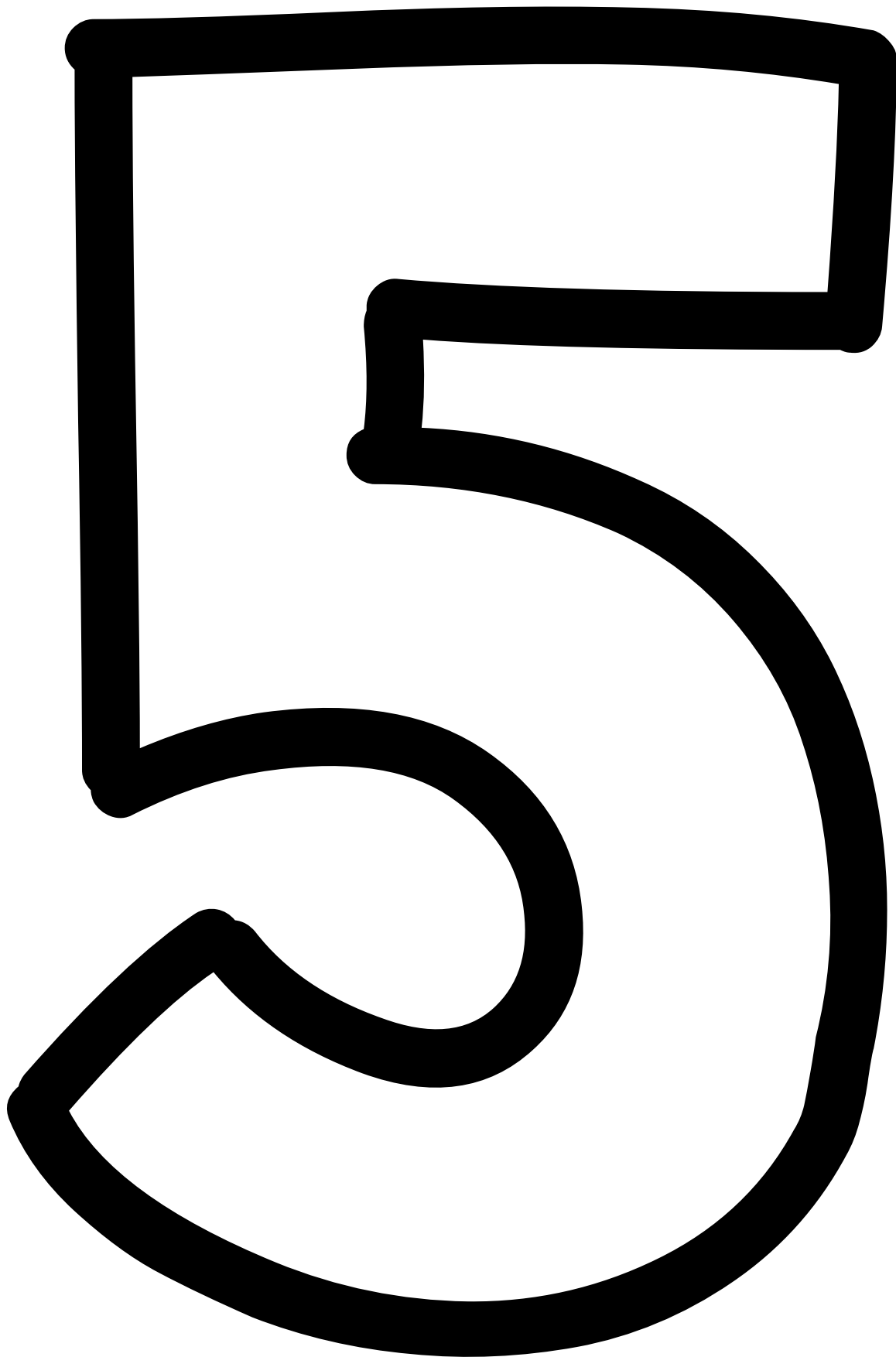
## Prep:

- Print the following number pages on cardstock or construction paper.

## Teach:

- Students can then decorate the numbers using a variety of materials and techniques. For example: fingerprints, bingo dabbers, stickers and more!
- Keep all of the numbers for each student and assemble a counting book when Zoo Keeper 123 Boot Camp is finished!





# Find and Color the Numbers

These sheets are perfect for small-group instruction, interventions, and one-on-one instruction.

## Prep:

- Print the following pages.

## Teach:

- Identify the number you are searching for by looking at the number in the square.
- Students find and color the corresponding number each time it appears on the page.

Allow students to use markers, smelly markers, or bingo dabbers for more fun!





Name \_\_\_\_\_

Say the number in the box.

Color the 2s.



3 2

5

2 7

2 1 2

6

8

1

4 4 3

2

6

2

8 2 2

7

2

8

1 3 5

2

3

2

5 8 2

10

2

8



# Matching and Sequencing

## Cut and Paste

These pages are great for practicing number recognition and sequencing.

### Prep:

- Print the following pages.

### Teach:

- Matching: Students will cut out and paste the numbers to match the number or quantity.
- Sequencing: Students will cut out and paste the numbers to complete the number sequence.
- Optional: Use **Number Playground** in Math alive as a fun way to introduce sequencing.






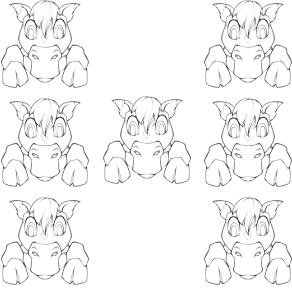
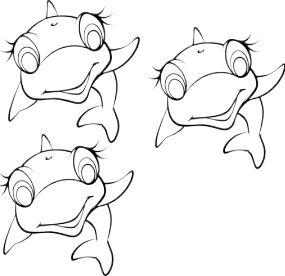

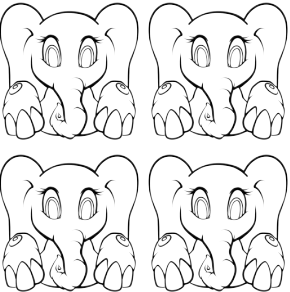
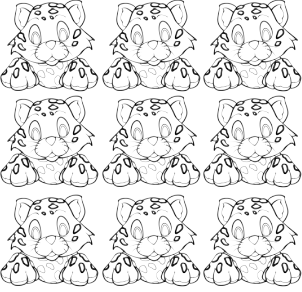
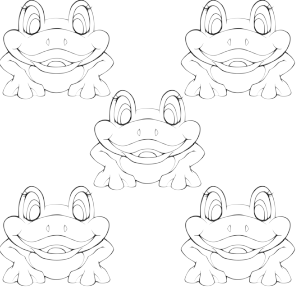

Name \_\_\_\_\_

Cut. Match. Paste.

11		18	
13		16	
15		19	
12		17	
14		20	

Name \_\_\_\_\_

Cut. Match. Paste.



Name \_\_\_\_\_

Cut. Sequence. Paste.

<b>1</b>		<b>3</b>	
	<b>6</b>		
<b>9</b>			
	<b>14</b>		
		<b>19</b>	

<b>2</b>	<b>7</b>	<b>11</b>	<b>16</b>	<b>20</b>
<b>4</b>	<b>8</b>	<b>12</b>	<b>17</b>	<b>13</b>
<b>5</b>	<b>10</b>	<b>15</b>	<b>18</b>	

# Zoo Baby Number Parade

Watch Mr. Greg Modeling the Zoo Baby Number Parade  
<https://youtu.be/OclQTTN0tWk>

Let's celebrate the completion of  
Zoo Keeper 123 Boot Camp!!

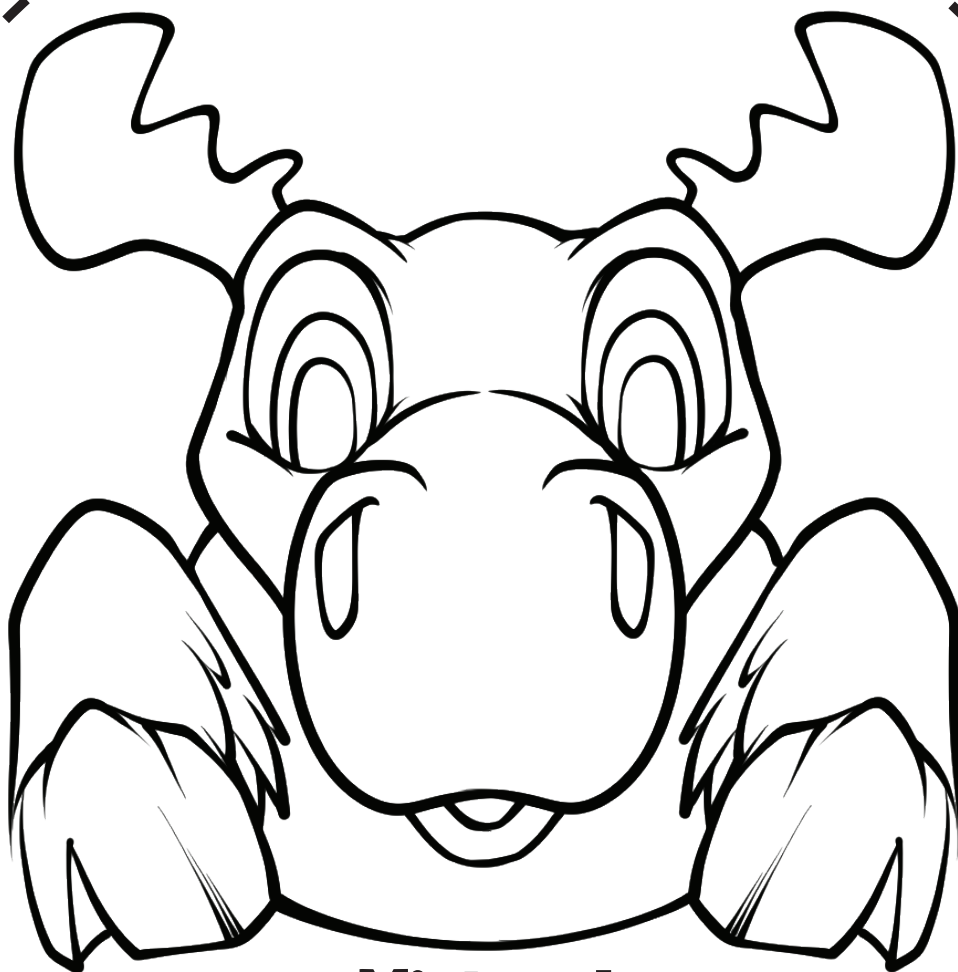
## Prep:

- Print, color, cutout and assemble your handheld signs (masks or headbands). You'll need paper, popsicle sticks, and crayons.

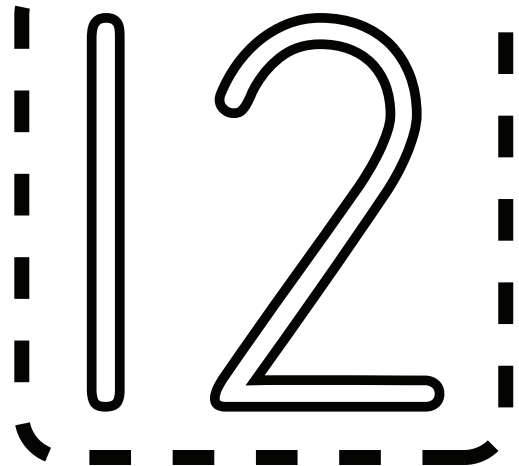
## Parade:

- Assign each student a number/animal (use duplicates if more than 21 are needed).
- Have each student make their sign (mask or headband)
- Play the Zoo Crew Counting Song (on YouTube) while the children parade around the room in a number line and show off their numbers.
- You can have an optional designated spot where each student announces their number and animal name.





**Michael  
Moose**



**Zoo Baby Sign, Mask, or Headband**

1. Print on Card Stock and color.
2. Cut out the Zoo Baby and the number.  
Then staple or glue them together.
3. Sign option: Glue to a paper plate and  
add a popsicle stick handle.
4. Mask option: Punch eye holes and side  
holes for a yarn strap.
5. Headband option: Glue to a sentence  
strip and staple to desired size.