

# COMPARING NUMBERS

Number Line  
Order  
Less Than  
Inequ  
Greater Than

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Hungry Alligator

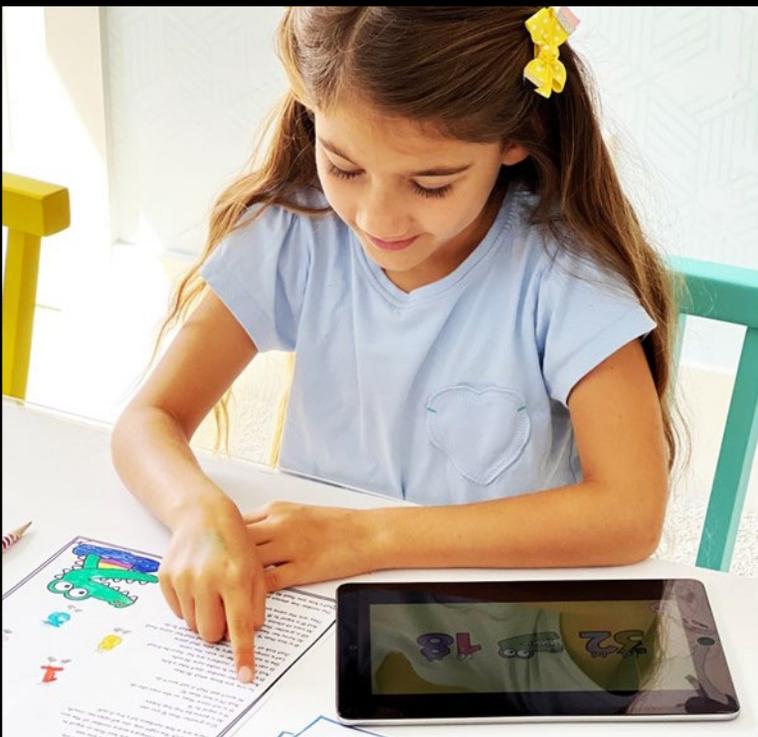
Directions: Cut out the Alli Pictures on the following page. Paste them in the circles to show which number she would want to eat.

1.  35	6.  98
2.  13	7.  58
 78	8.  54
 68	9.  29
5.  99	10.  18

### Comparing Numbers Book

By: MadeLine

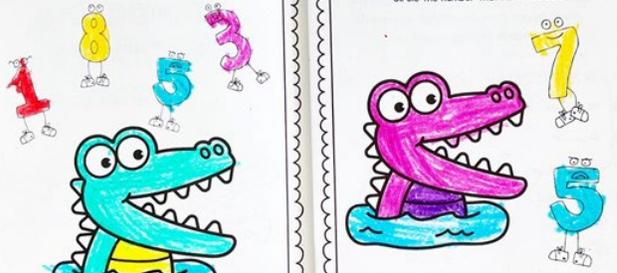
Date: \_\_\_\_\_



Meet Ali the Alligator.  
Ali loves to eat numbers.

Circle the number that Ali would eat.

Alli is a hungry Alligator. She always wants to eat the \_\_\_\_\_ (bigger/smaller) number.



1st Grade





# Ali the Alligator

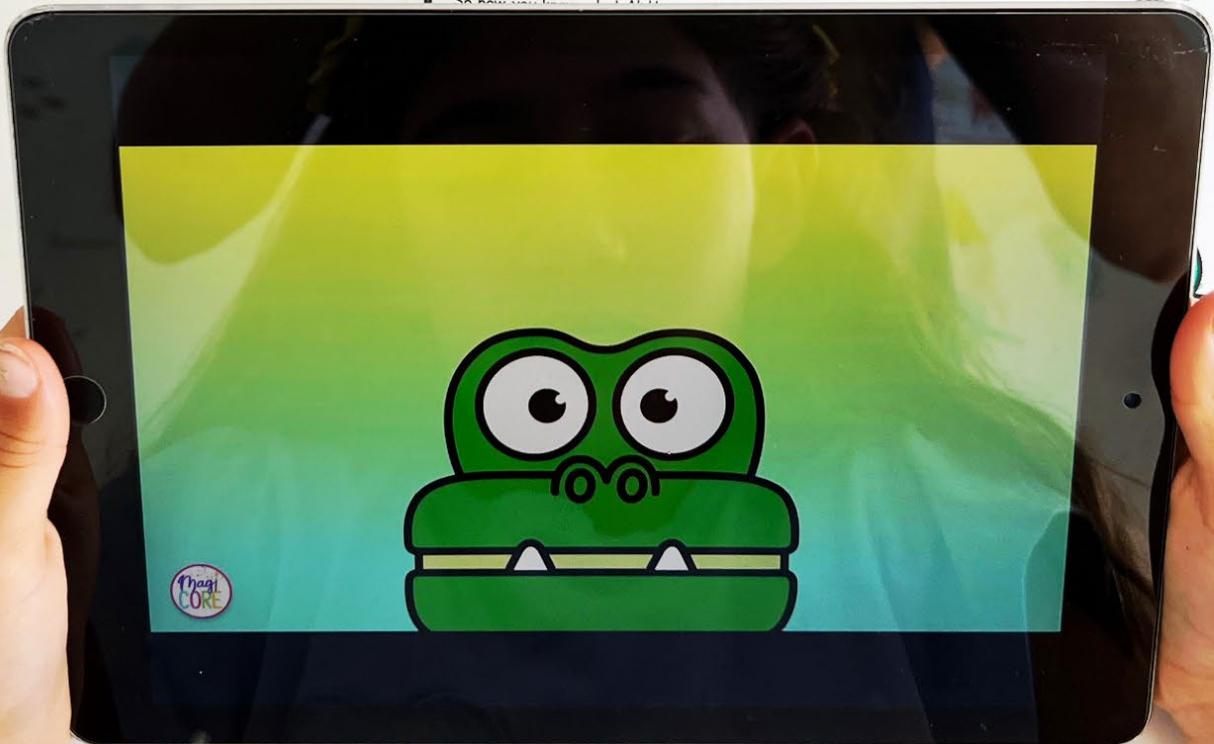


Hey, hey, hey, what do you say?  
Ali the Alligator is hungry today!  
And she munches on numbers yum yum me  
But Ali only eats the larger one you see  
Not the numbers that are less than or equal to  
So, we have to compare every number at the zoo  
If you pick the right one, she will open her mouth  
Here are a few numbers let's try it out!

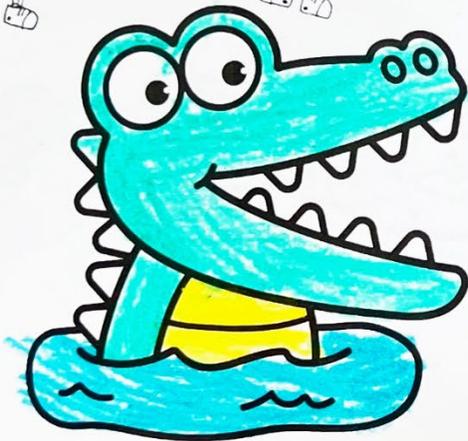
32 is greater than 18 you see  
Ali is gonna be hap hap happy  
41 is equal to 41  
It is not more than, so she says uhn uh  
And 74 is less than 92  
Ali won't eat that it just won't do



So now you know what Ali...



Original video and song!



Meet Ali the Alligator.  
Ali loves to eat numbers.

© Julie Sochese

Circle the number that Ali would eat.



Ali is a hungry Alligator. She always wants to eat  
the \_\_\_\_\_ (bigger/ smaller) number.

© Julie Sochese

er Line  
 der  
 Less Than  
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Name: \_\_\_\_\_ Date: \_\_\_\_\_  
**Hungry Alligator**  
 Directions: Draw the <, > or = symbol to complete

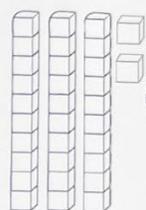
Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Hungry Alligator

Directions: Cut out the Alligator Pictures on the following page. Paste them in the circles to show which number she would want to eat.

1. 11		35	6. 97		98
2. 3		13	7. 70		58
		78	8. 45		54
		68 81	9. 60		29
5. 99		19	10. 18		13

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4. 

5. 

6. 

12

25

48





Greater Than

Inequality

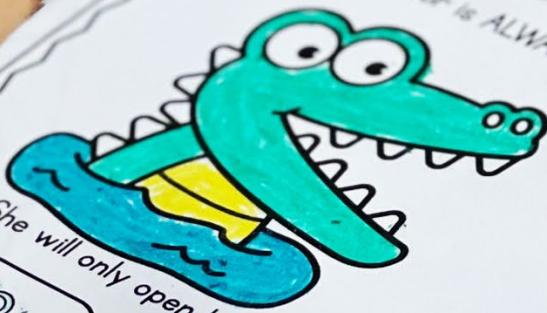
Equal To

Number Line



# Comparing Numbers

To compare numbers, look to see if the number is greater than or less than another number.  
All the alligator is ALWAYS hungry. She wants to eat the larger number.



She will only open her mouth for the larger number!

18



18 is greater than 18.

41



41 is equal to 41.

68



68 is greater than, less than, or equal to 41.

29

29 is less than 41.

81



81 is greater than 81.



©Tara Beiler

# COMPARING Numbers

1. Pedagogy
2. Lesson Plans
3. Place Value Vocabulary Cards
4. Base Ten Beat: Song & Video
5. Teacher Background: Comparing Numbers
6. Lesson Plans
7. Vocabulary Cards
8. Which Number is Greater?
9. Which Number is Less?
10. Ali Alligator Poster
11. Hungry Alligator Cut & Paste
12. Hungry Alligator Place Value Blocks
13. Problem Solving
14. Quiz
15. Extension: Ordering Numbers
16. Greater Than, Less Than, Equal To Center

# Comparing Numbers

Comparing numbers is understanding what is more than, less than, or equal to a certain number. Comparing numbers involves understanding how to order numbers. We use this skill in everyday life to determine if we have a large enough amount of something. For example, if I have 3 kids and 5 cookies, do I have enough cookies for everyone?

Comparing numbers is a skill that helps build students' number sense and understanding of place value. Before this skill, students must understand numbers and their value. Students should first be able to build numbers they are working with. For example, if students are working on comparing 22 and 28, students should understand what each number is composed of, or use manipulatives and objects to represent the numbers. Another helpful tool when comparing and ordering numbers is a number line. The number that is greater than another would be further on the right. Always use concrete methods such as manipulatives before moving to more abstract methods such as number lines or just numbers.

# \* First Grade Compare Numbers \*

Day 1: Learn how to compare numbers based on their value.

**Mini Lesson:** Introduce the purpose of the lesson today: to learn how to compare numbers based on their value.

- Show students the vocabulary cards. Tell students the meaning of each word.
- Begin by reading the comparing numbers story.

**Guided Practice:** As you read the comparing numbers story, stop to have students solve problems. Allow students to use manipulatives or base ten blocks to build numbers.

**Independent Work:** Students complete "Which Number is Greater?"

**Closing:** Review the meaning of key vocabulary words.

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Day 2: Learn how to compare numbers based on their value.

**Mini Lesson:**

- Review the vocabulary cards.
- Introduce the Comparing Numbers anchor chart. Complete the examples on the anchor chart together.

**Guided Practice:** Introduce "Comparing Numbers Book". Read the entire book as a class.

**Independent Practice:** Students complete the book on their own.

**Day 3:** Learn how to compare numbers based on their value.

**Mini Lesson:**

- Review the vocabulary cards and Ali the Alligator anchor chart.
- Review the mini book from the previous day by selecting a student to share theirs.

**Guided Practice:** Work together to complete one page of “Hungry Alligator.” Be sure to model problems with just numbers and problems with place value blocks.

**Independent Practice:** Students work on “Hungry Alligator” pages independently. Have students continue to work until they master this skill as you monitor, reteach, and work with students in small groups. This work may last 1-2 days.

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**Day 4:** Learn how to solve real life comparing number problems.

**Mini Lesson:** Review the vocabulary cards and Ali the Alligator anchor chart. Tell students that we learn to compare numbers because this is a skill you can use in real life!

**Guided Practice:** Pose a real-life problem from the “Problem Solving” page. Model how to think and solve the problem. Complete one more problem as a group.

**Independent Practice:** Students continue working on “Problem Solving” pages.

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**Day 5:** Show what you know!

**Mini Lesson:**

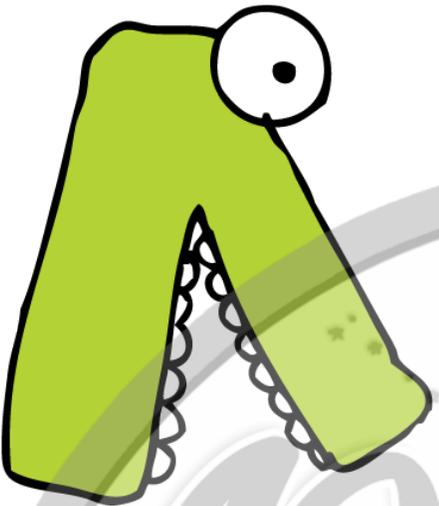
- Review the vocabulary cards and anchor chart.

**Independent Practice:** Students complete problem-solving pages until they have mastered this skill. Once students show they are ready, administer the comparing numbers quiz.

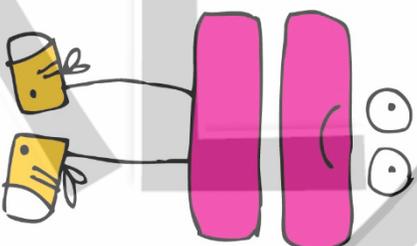
# Greater Than



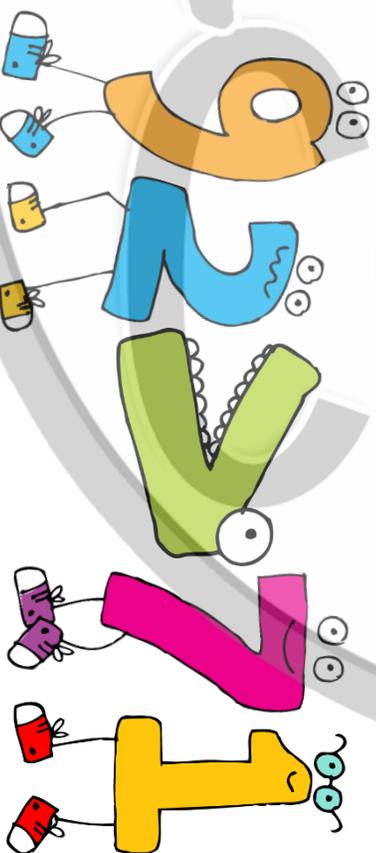
# Less Than



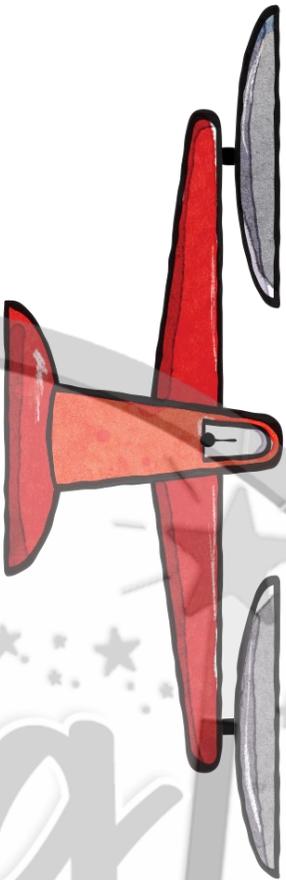
# Equal To



# Inequality



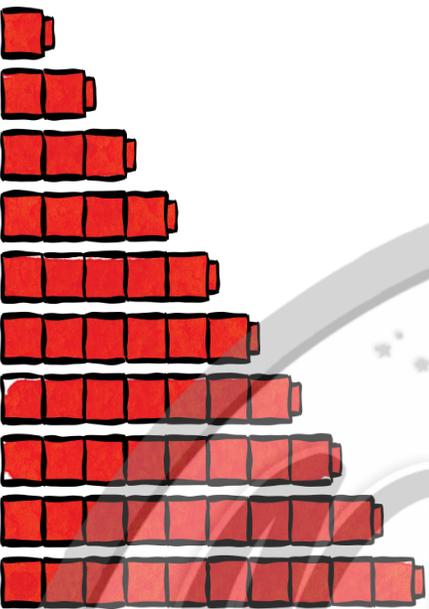
# Compare



# Number Line

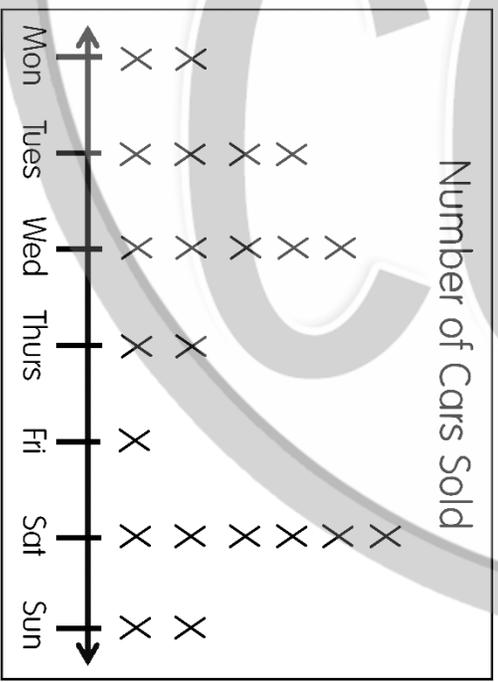


# Order



# Plot

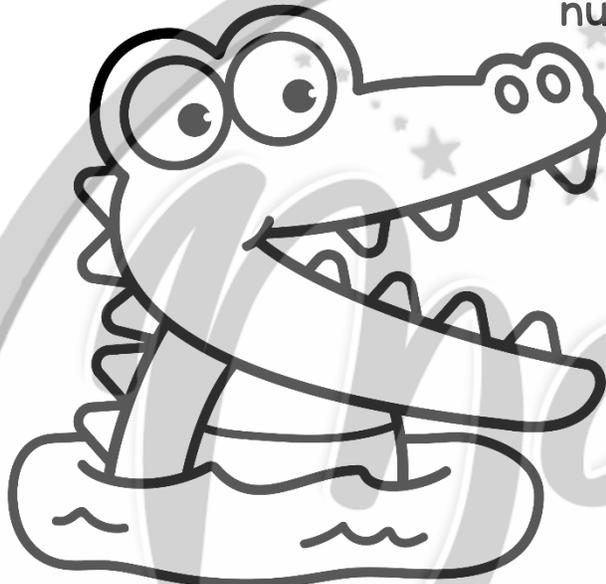
Number of Cars Sold



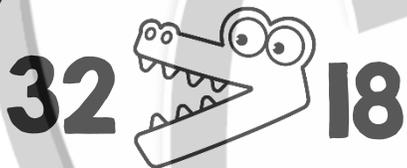
# Comparing Numbers

To compare numbers, look to see if the number is greater than or less than another number.

Ali the alligator is ALWAYS hungry. She wants to eat the larger number.



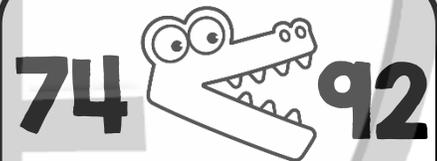
She will only open her mouth for the largest number!



32 is greater than 18.



41 is equal to 41.



74 is less than 92.

Write the greater than, less than, or equal to symbol below.

18                      41

18 is \_\_\_\_\_ than 41.

68                      29

41 is \_\_\_\_\_ than 41.

81                      81

81 is \_\_\_\_\_ to 81.

# No Greater Uncle

## A Math Read-Aloud Skill Story

Samar and Anika squealed when Uncle Devi opened his front door. He wore a full pirate costume. An old box with a combination lock on it was under his arm, and the twins knew their day with their uncle was going to be another great adventure.



“Are you the landlubbers who agreed to help me open this here treasure?” The fluffy feather on Uncle Devi’s pirate hat bounced around as he looked at them.

“That’s us!” Anika tugged Samar into the house after giving their mom a wave goodbye.

Uncle Devi took their backpacks and dropped them by the couch. “It just so happens I received three clues today to unlock this box.” He wiggled it, something shaking about inside. “Unfortunately, the clues have some tricky math in them. I fear we will never know what treasures lie within.” He sighed dramatically.

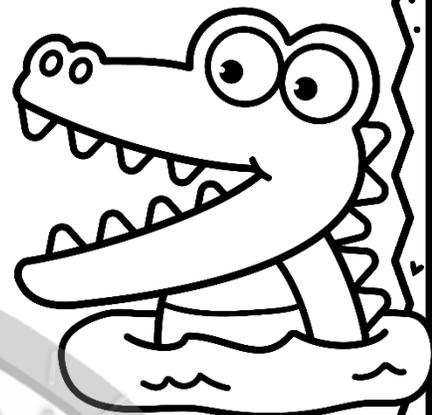


“We love math, Uncle Devi!” Samar knocked his knuckles on the box. “Let us see the clues.”

Uncle Devi set the box on the coffee table in the living room and knelt in front of it. He picked up a yellowed scrap of paper from the table. Samar and Anika took spots on either side of their uncle, eager to see the first clue.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Which Number is Greater?



Directions: Circle the largest number.

1. 12 or 15

2. 18 or 21

3. 25 or 11

4. 38 or 50

5. 62 or 29

6. 91 or 65

7. 18 or 47

8. 80 or 50

9. 14 or 19

10. 92 or 90

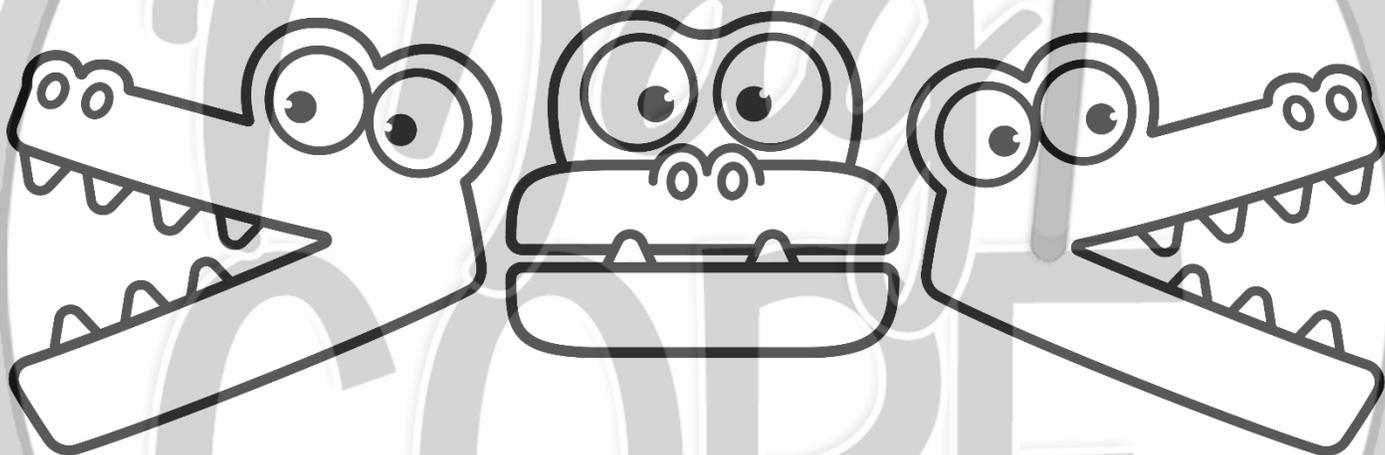
11. 29 or 30

12. 99 or 79

13. 75 or 17

14. 53 or 38

# Comparing Numbers Book



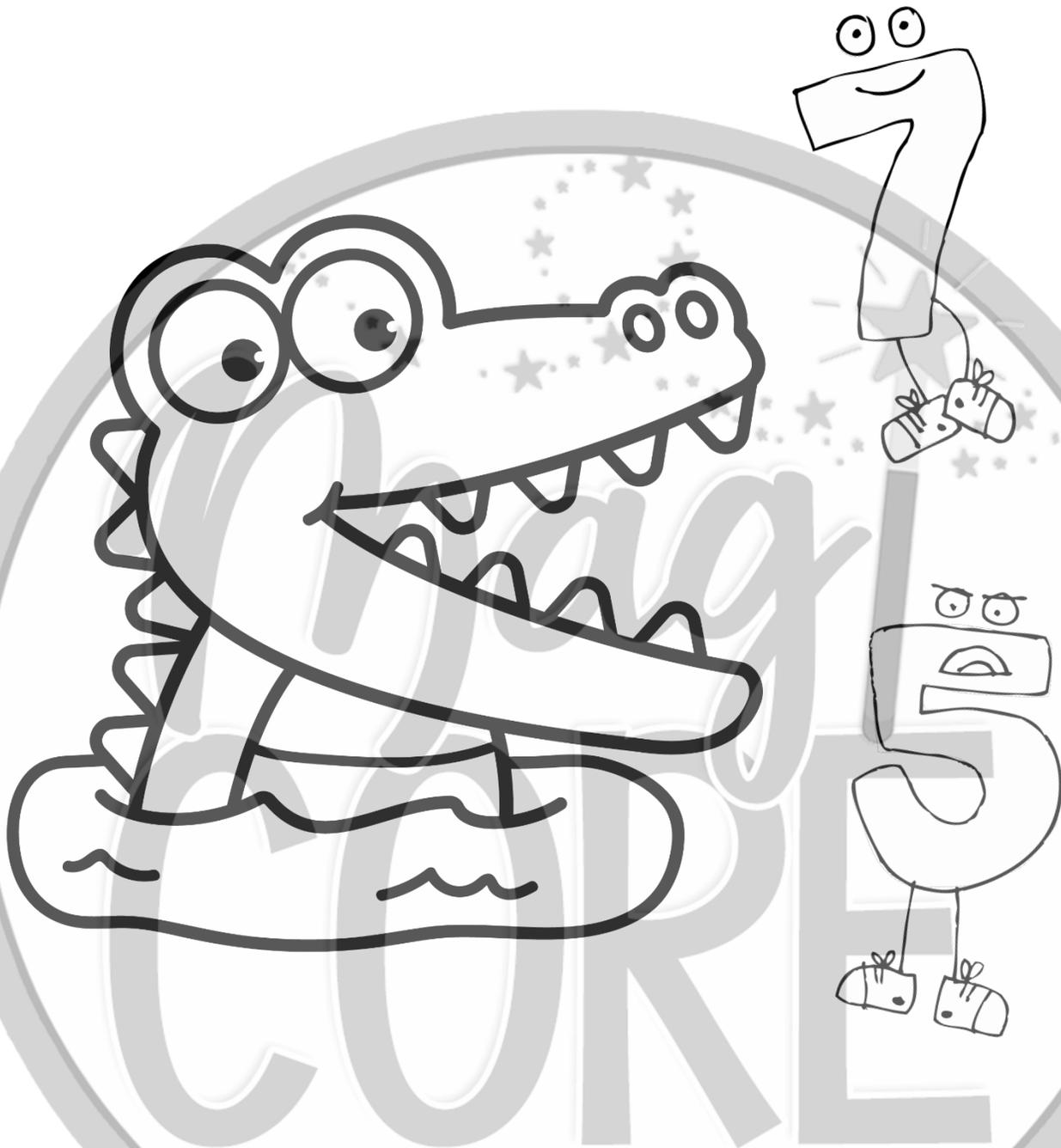
By : \_\_\_\_\_

Date: \_\_\_\_\_



Meet Ali the Alligator.  
Ali loves to eat numbers.

Circle the number that Ali would eat.



Ali is a hungry Alligator. She always wants to eat  
the \_\_\_\_\_ (bigger/ smaller) number.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Hungry Alligator

**Directions:** Cut out the Ali Pictures on the following page. Paste them in the circles to show which number she would want to eat.

1. 15



21

6. 17



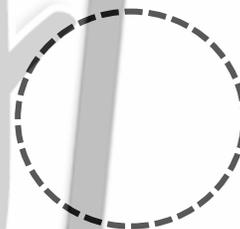
20

2. 6



16

7. 50



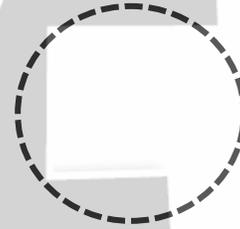
15

3. 71



57

8. 59



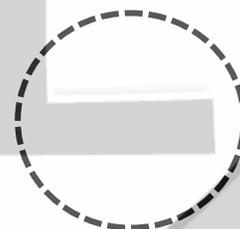
51

4. 90



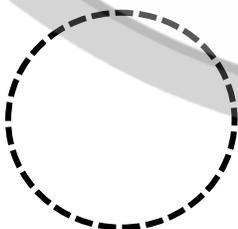
94

9. 33



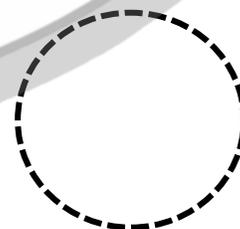
44

5. 86



79

10. 28

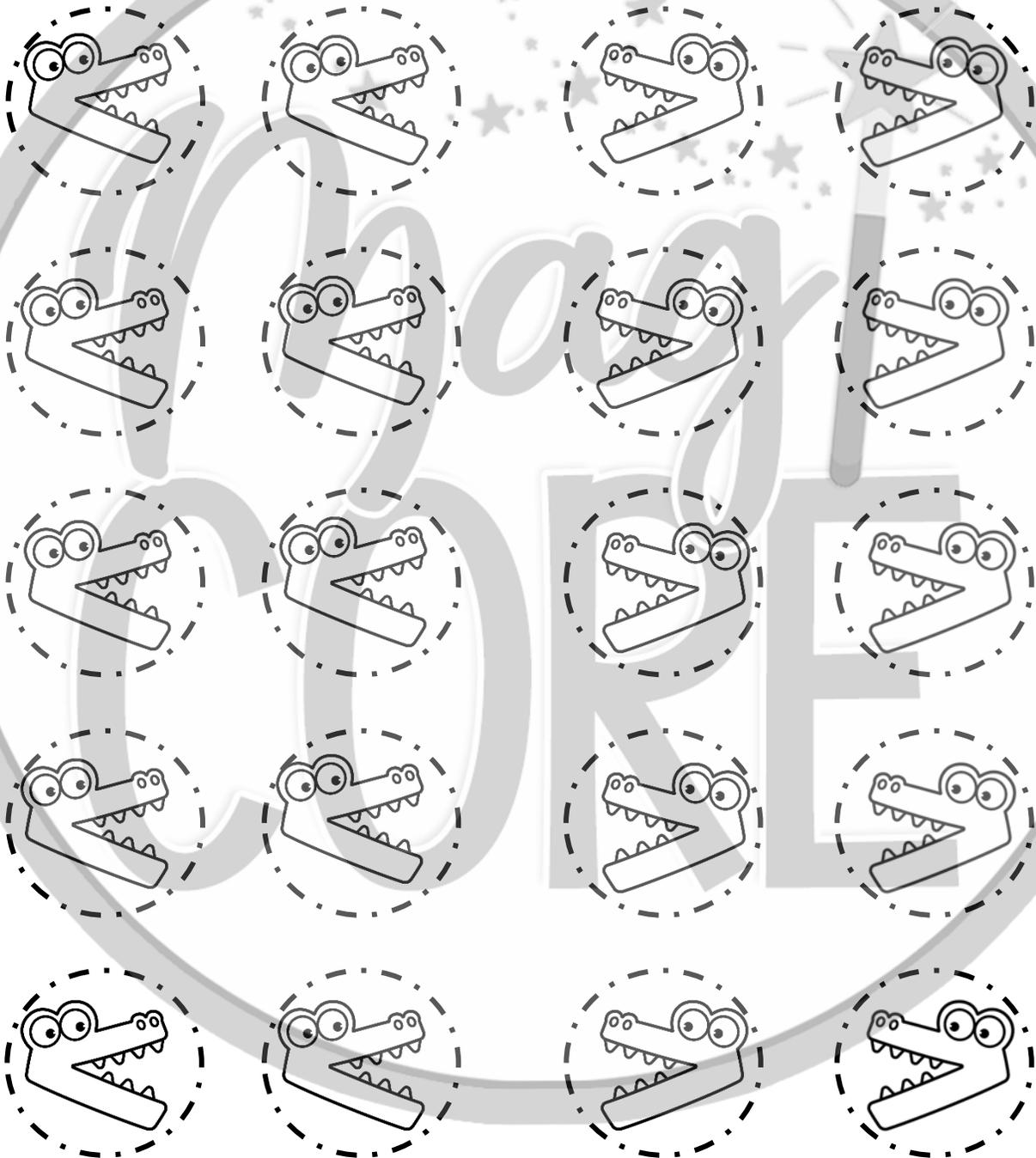


12

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Hungry Alligator

**Directions:** Cut out the Ali Alligator circles to paste on the pages.

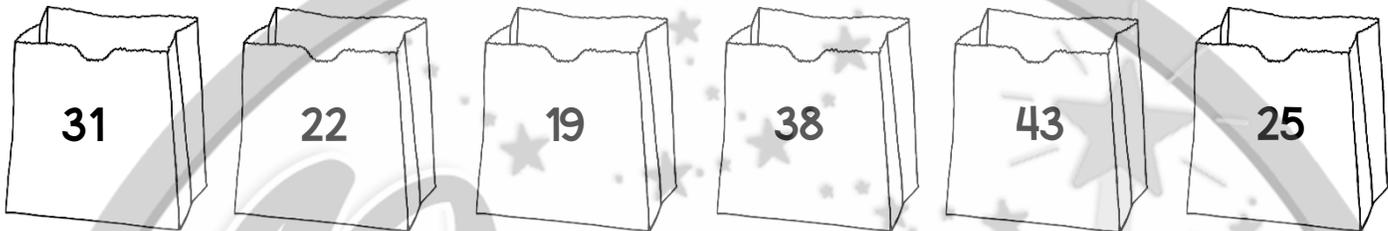


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Problem Solver

Solve the word problems.

1. Mr. Cho made six mystery bags with these numbers:



Order the bag numbers from least to greatest.

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2. Davina has 94 mini erasers. Ken has 89 mini erasers. Write an inequality to compare Davina's and Ken's erasers.

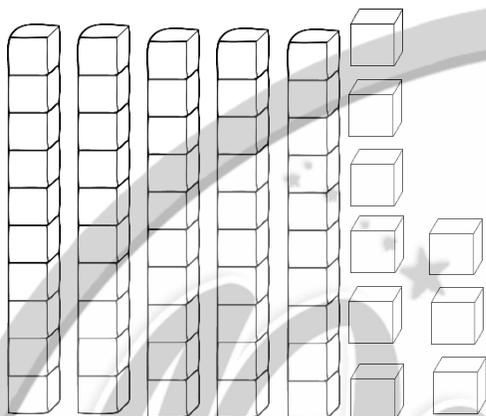
3. Mrs. Williams had 46 students last year. This year, she has  $50 + 2$  students. Write an inequality to compare Mrs. Williams' class sizes.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Greater Than, Less Than Quiz

Directions: Draw the  $<$ ,  $>$  or  $=$  symbol to complete the inequality.

1.



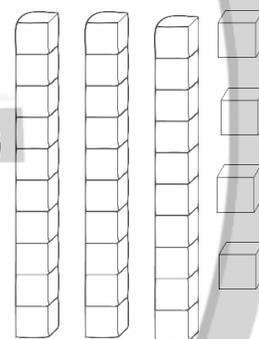
52

2.  $93$    $97$

3.  $48$    $45$

4.  $10+8$    $20+4$

5.  $30+4$



6. I'm thinking of a number that is less than 72 and greater than 67. Write all of the possible numbers I am thinking of.

# Ordering Numbers

To order numbers, place them from least to greatest.

You can use a number line to help!



Number lines can start and end at ANY number!

You try!



Order these numbers from least to greatest on the number line:

69, 74, 70, 71, 73, 75, 78, 77

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