

# Safari Learning Math and Reasoning

# What the Research Says

- Mounting evidence strongly suggests that early success in math correlates with later achievement in both math and reading (Cross, 2009).
- Preschool children have rich and active mathematical minds (Merkin, 1986).
- Even without instruction, most kindergarten students are capable of solving a wide range of simple addition and subtraction story problems by their own methods (Mossee, 1984).
- When children work with adults their learning potential, “Zone of Proximal Development” is extended. This increases the amount of learning that can take place. Problems that seem hard with paper and pencil will be found easy when manipulatives are added (Vygotsky, 1962).

# Math and Reasoning Agenda

- Mathematics and Kindergarten Readiness
- Math Common Core Standard Vocabulary
- Math and Children's Books
- Jeep Go Stop Math
- Safari Math Mats
- Shapes and Games
- Jeep Games



# Math and Common Core Vocabulary

- Use the handout to familiarize yourself with the Common Core Math Vocabulary.
- The Common Core Standards provide teachers and parents with a common understanding of what students are expected to learn. Consistent standards will provide appropriate benchmarks for all students, regardless of where they live nationally.
- Teachers, parents, and community leaders have all weighed in to help create the Common Core State Standards. The standards clearly communicate what is expected of students at each grade level.

# Ten Vicious Vipers

- Cut out and count the vipers.
- Underline the number words on each page.
- Read and paste the turtles on each page.
- Count the turtles on each page.



# Jeep Go Stop Math

- Use your Go Stop Math board to create your own addition and subtraction problems.
- Cut out the Safari animals that you want to use in your addition and subtraction problem.
- Decide if you want to use the subtraction or addition sign.
- Discuss the direction of the number sentence and how it relates to reading.



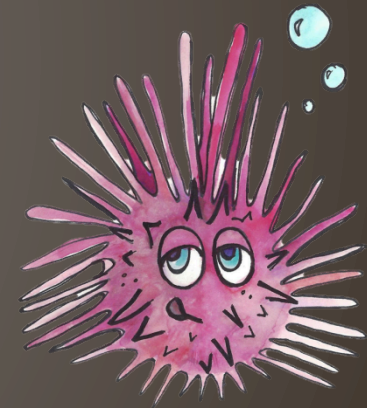
# Safari Math Mats

- Use your animal safari cards to complete the animal story.
- Use the Math Story problems that go along with the math mats to practice math vocabulary and solve problems.



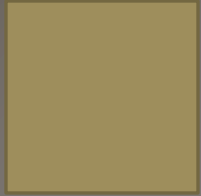
# Shapes and Games

- Bingo
- Safari Number Hunt
- Shapes and Math Fractions
- Marty's Measure Strips

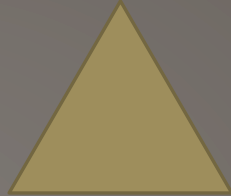




# Shape Sentence Counters



Dana



Likes



to



run

- Walk and step on each shape and identify the shape name.
- The student will then create a sentence and tell a partner.
- For every word in your sentence lay out a shape.
- For example: “Dana likes to run.” Lay out four shapes.
- Kids can repeat the sentence and then step on each shape for every word in the sentence.
- Count the number of words in a sentence.

# Jeep Games



- I'm thinking of a number that is greater than 2 and less than 4.
- What is  $2+2$ ,  $3+3$ ...
- Create you own math story problems.

**Next Session.....**

**Reading Independently**

**Thank you for your participation**

**See you at the next Learning Safari**

