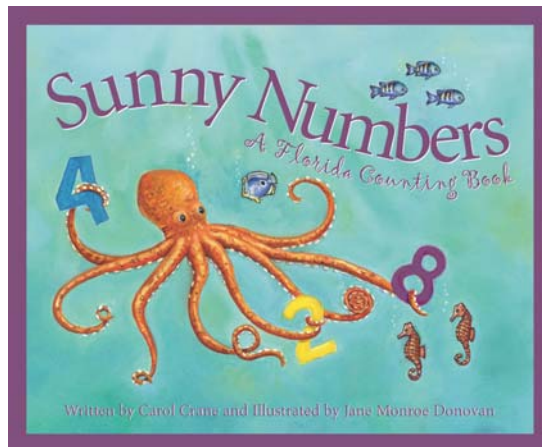


Teacher's Guide



Sunny Numbers: A Florida Counting Book

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Sunny Number Patterns

Enjoy learning facts about Florida in the wonderful book *Sunny Numbers*.

Complete these sunny number patterns.

1. 5, 10, 15, 20, ___ ___ ___

2. 3, 9, 15, 21, ___ ___ ___

3. 36, 32, 28, ___ ___ ___

4. 54, 49, 44, ___ ___ ___

5. 3, 6, 9, ___ ___ ___

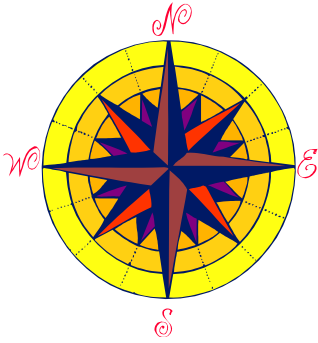
6. 40, 50, 60, ___ ___ ___

7. $\frac{1}{2}$, 1, $1\frac{1}{2}$, ___ ___ ___

8. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, ___ ___ ___

9. 100, 85, 70, ___ ___ ___

10. 16, 24, 20, 28, ___ ___ ___

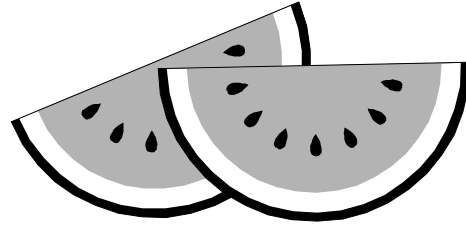


Which Direction?

As you will learn in *Sunny Numbers*, Florida is the end point of four different interstate highways. These highways bring many visitors from all over the country to visit sunny Florida. Use the map in *Sunny Numbers* to help you answer these questions.

1. In which direction would you be going if you traveled from Ocala National Forest to Osceola National Forest? _____
2. Name the direction from Ocala National Forest to Everglades National Forest. _____
3. Name the 2 interstate highways that end near Everglades National Park.

4. In what two directions would you have to go to get from Ocala to Apalachicola? _____
5. In which direction is Osceola from Apalachicola? _____
6. Name the two interstates that run east-west. _____
7. Which side of Florida is bordered by the Gulf of Mexico? _____
8. What borders Florida's east coast? _____



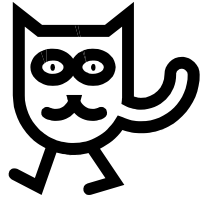
Love Those Fruits from Florida

Florida has an ideal climate for growing fruits, vegetables, and flowers. It has plenty of sunshine and rain. The book *Sunny Numbers* has some interesting facts about some of the scrumptious fruits grown in Florida.

Circle the fruits that you KNOW are grown in Florida.

- Apples
- Strawberries
- Blackberries
- Oranges
- Lemons
- Kumquats
- Pears
- Cherries
- Watermelon

Describe your favorite food on the inside and on the outside. Don't tell anyone what it is. See if they can guess.



ANIMAL ALPHABET

The book *Sunny Numbers* is full of interesting information about Florida. As you read and enjoy this book you will learn about many animals that live in the state.

Someone dropped all the name tags for the files of the animals. Put these animals in alphabetical order.

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

Draw your favorite animal that is on the list.

Mammals, Birds, or Sea Creatures?

Florida has the ideal climate for a large number of animals. Discover some of the animals found in Florida in the book *Sunny Numbers*. Put the animals from the box in the correct list.

starfish	sponge	monkey	black bear
marsh rabbit	armadillo	octopi	wild turkey
osprey	great white heron		reef fish
cattle egrets	wild pigs		

Mammals

Birds

Sea Creatures

Write a paragraph about your favorite animal listed above.



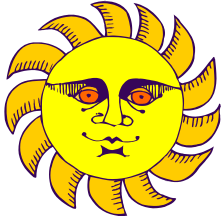
MATH

Florida is the spring training home of many northern baseball teams. Find the month the teams head home from Florida in *Sunny Numbers*.

The teams head home in _____.

Hit a Grand Slam as you solve these baseball math problems!

1. There are 20 teams with 9 players on the field at a time. How many total players are on the field?
2. The Tigers scored 3 runs in the 1st inning, 2 in the 3rd, and 6 in the 8th. How many total runs did they score?
3. There are 9 innings in a ball game. It takes 3 outs to end half an inning. What is the total number of outs it takes to have a complete game?
4. The Eagles had a good training season. They ended up with a 24-19 record. How many games did they play?
5. Gary batted 4 times and had 3 hits. Write a fraction that shows this fact.



SEARCH “SUNNY NUMBERS”

When you think of a sunny state, Florida often comes to mind. Discover many interesting facts about this wonderful state in *Sunny Numbers*.

Search throughout this book to find the answers to these questions.

1. How many interstate highways end in Florida? _____
2. Name the ocean that borders Florida. _____
3. Can a starfish be pink? _____
4. A sponge is an invertebrate. That means _____
5. How many teeth does a sand dollar have? _____
6. What do marsh rabbits do instead of hopping? _____
7. Where are most key limes grown? _____
8. What is the copyright date of *Sunny Numbers*? _____
9. What was De Soto searching for in Florida? _____
10. Name Florida’s largest land mammal? _____



FLORIDA'S FULL OF ANIMALS!

Florida is the state of sunshine, oranges, and many types of animals. Learn about some wonderful animals in *Sunny Numbers*.

Write 3 facts about each animal below.

Marsh Rabbit

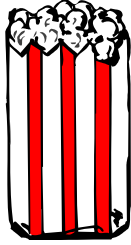
1. _____
2. _____
3. _____

Spanish Armadillo

1. _____
2. _____
3. _____

Great White Heron

1. _____
2. _____
3. _____



POPCORN, PEANUTS, OR CRACKER JACK?

Survey and Graph

Many fans watch their favorite baseball teams during their spring training in Florida. Learn many interesting facts about Florida in *Sunny Numbers*. Do you prefer to snack on popcorn, peanuts, or Cracker Jack at a baseball game?

Survey 30 students to learn which of the three is their favorite baseball snack..

Popcorn

Peanuts

Cracker Jack

Use the data you collected to make a bar graph showing the results. Remember to give your graph a title.

What conclusion can you draw from your data and graph? _____



What's a Marsh Rabbit?

Have you ever heard of a rabbit that lived in the marsh? Learn how this rabbit is different from other land rabbits in *Sunny Numbers*. After you have read the wonderful book make a Venn diagram comparing a marsh rabbit and a land rabbit.

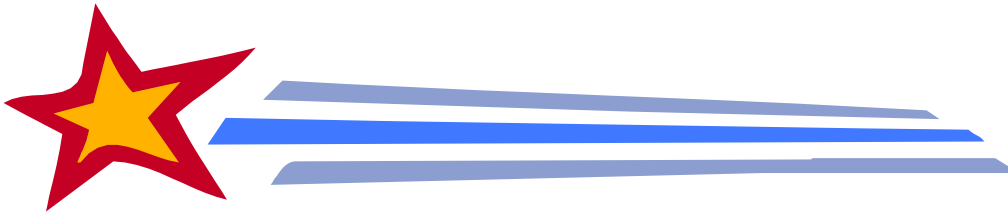
Write a conversation that might happen between the two rabbits when they met for the first time.

CLAY DOUGH RECIPE

Making clay models is a great project. You can make your own clay using the recipe below.

Read *Sunny Numbers* and learn about some of the sea creatures that can be found in the ocean.

Use the clay you made to make a starfish and a sand dollar. Try to make them as accurate as possible. After the clay dries, paint your models to make them look real.



Clay Dough Recipe

Ingredients

1 cup salt

1 cup water

1 cup flour

Cook over low heat until the mixture thickens.

Cool before using.

Do a practice drawing of a starfish and a sand dollar in the space below.

Design Your Personal Sail

Sailboat racing is a popular sport in Florida. Have you ever sailed a boat? Do you think it would be fun? The book *Sunny Numbers* describes Florida and many outdoor adventures that people enjoy.

Design a sail for your own sailboat. Make sure the sail represents you and the things you like. Be creative and have fun.





Sunny Numbers

Answer Sheet

Sunny Number Patterns- 1) 25, 30, 35 2) 27, 33, 39 3) 24, 20, 16
4) 39, 34, 29 5) 12, 15, 18 6) 70, 80, 90 7) 2, 2 ½, 3 8) 1, 1 ¼, 1 ½
9) 55, 40, 25 10) 24, 32, 28

Which Direction?-1) N 2) S 3) I-75, I-95 4) north, west
5) E 6) I-10, I-4 7) W 8) Atlantic Ocean

Fruits from Florida- strawberries, kumquats, watermelons, oranges

Animal Alphabet- armadillo, black bears, cattle egrets, great white heron,
marsh rabbit, monkey, osprey, reef fish, starfish, wild pigs

Mammals, Birds, or Sea Creatures- mammals- black bears, monkey,
marsh rabbit, armadillo, wild pigs birds- wild turkey, osprey, great white
heron, cattle egrets sea creatures- reef fish, sponge, starfish, octopi

Grand Slam Math- 1) 180 2) 11 3) 54 4) 43 5) ¾

Search “Sunny Numbers”- 1) 4 2) Atlantic 3) yes 4) no backbone 5) 5
6) walk 7) Mexico 8) 2001 9) gold 10) black bear

Florida’s Full of Animals- Marsh Rabbit- swims, hides beneath swamps
with only eyes and nose out of water, walks, can walk on hind legs.

Spanish Armadillo- has 9 bands of stiff bony plates, has a shield to protect
head, scaly rings on tail, loves to dig, keen sense of smell, long sticky
tongue, can walk underwater holding breath, can inflate stomach with air to
aid in swimming.

Great White Heron- 4 ft. tall, wingspan of 6 ft., pure white, light-colored
legs, plops feet slowly when walking.