

Fourth Grade Blizzard Bag Day 6



FOURTH GRADE

BLIZZARD BAG

DIRECTIONS

Day 6

1. Reading: Read the attached article, A Juicy Problem. Answer the questions attached.
2. Independent Reading Requirement (45 minutes).
3. Math: Complete the three math pages.
4. Science: Complete the "The Right Place to Live" worksheet.
5. Writing: Imagine one day you were playing outside and you found a shiny rock. When you picked up the rock, it opened and you found something inside. After planning your story on the blank page, write a story, on the lined page, about what happened when you found something inside a shiny rock.

A Juicy Problem



Gareth Stevens / Gregg Andersen

Thanks to the orange bill, the orange is now officially Florida's state fruit.

Oregon has the pear. Georgia has the peach. West Virginia has the Golden Delicious apple. Now, thanks to Janet Shapiro's fourth grade class, Florida finally has its own official state fruit—the orange.

Shapiro's class took on the task of persuading state lawmakers to name the orange Florida's state fruit. The class saw the fruits of their labor in spring 2005. That's when Gov. Jeb Bush signed the orange bill into law.

For Shapiro's students, the act of naming the orange Florida's official fruit was obvious. Florida loves its oranges. The state has orange trees, orange juice, and even the **Orange Bowl** (a college football game).

"We were completely surprised that the orange wasn't the state fruit of Florida," Shapiro, a teacher at Southside Elementary School in Sarasota, Florida, told *Senior Edition*.

Reading Passage

Shapiro's social studies class wrote letters to Florida state Rep. Donna Clarke. Clarke, who thought the idea was sweet, introduced the students' idea as a **proposed**¹ law.

That was only the first step. Shapiro's class got an up-close look at how the **legislative**² process works. They had to persuade other lawmakers to support the proposal.

To that end, students conducted a campaign to collect 800 signatures on a **petition**³. They even wrote a song about the fruit. "Vote Orange!" they sang. Shapiro says waiting was the hardest part. The bill had to go through many legislative committees. But in the end, it was worth all the trouble.

"We made history," Kia Gentile, 11, told *Senior Edition*. "It was awesome."

¹ **proposed**: put forward for consideration

² **legislative**: lawmaking

³ **petition**: an official written request

Name: _____ Date: _____

"A Juicy Problem" Questions

1. The title uses the word "juicy" figuratively to mean
- a. cold and wonderful.
 - b. tasty and delightful.
 - c. powerful and absorbing.
 - d. fruity and sticky.

2. The fourth grade class probably found it surprising that the orange was not already the Florida state fruit because
- a. the famous football game in Florida is called the Orange Bowl.
 - b. Florida grows so many oranges.
 - c. ads often feature "Florida orange juice."
 - d. all of the above.

3. The pun "the fruits of their labor" refers both to oranges and to
- a. results.
 - b. troubles.
 - c. efforts.
 - d. aims.

4. "To that end" means
- a. toward the furthest place.
 - b. to achieve that result.
 - c. don't go the other way.
 - d. none of the above.

5. How do we know it takes more than one person to make a law?

Name _____ Math Blizzard

Practice – Division

$$9 \overline{)180}$$

$$4 \overline{)228}$$

$$6 \overline{)144}$$

$$2 \overline{)188}$$

$$3 \overline{)99}$$

$$6 \overline{)228}$$

Problem Solving/Application – Division

1. There are 24 erasers and 12 students. If the erasers were divided up equally, how many would each student get?
2. Todd wants to put his collection of hats into 5 equal groups. He has 45 hats. How many groups will he make?

3. James has 63 baseball cards. If he gives an equal amount to 9 friends, how many cards will each friend receive?

 4. A group of 36 friends are planning a road trip. If each car can hold 4 people, how many cars will they need?

 5. There were 162 stickers in Donna's pack. She puts an equal amount on 6 pages of her sticker book. How many stickers did she put on each page?
-



Solve each problem.

18	2	3	5	2
12	3	7	6	20

Answers

- 1) It takes Henry 10 oranges to make a large glass of orange juice, which is 5 times as many as he uses for a small glass. How many oranges does he use for a small glass?
- 2) At the soda shop they sold 48 hotdogs on Monday and 8 on Tuesday. How many times as many did they sell on Monday than they sold on Tuesday?
- 3) A pet store sold 9 cats and 3 dogs. How many times more cats did they sell than dogs?
- 4) A store has 35 diet sodas, which is 7 times the number of regular sodas they have. How many regular sodas do they have?
- 5) A library checks out 4 fiction books an hour. They check out 5 times as many non-fiction books per hour. How many non-fiction books do they check out per hour?
- 6) There were 18 adults in line at a movie theater. That is 6 times the number of children in line. How many children were in line?
- 7) George had 9 pictures on his Facebook page. Maria had 2 times as many pics as George. How many pics did Maria have?
- 8) A restaurant had 4 items on the menu that were low calories. They had 3 times as many high calorie items. How many high calorie items did they have?
- 9) A movie theater sold 16 tickets on Saturday, which is 8 times as many as they sold on Thursday. How many tickets did they sell on Thursday?
- 10) A flower store has 21 roses and 3 tulips. How many times more roses did they have than tulips?

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

The right place to live



Background knowledge

Just as animals adapt to the places they live, so do plants. Plants are adapted to a wide variety of habitats. As a result, each plant has certain characteristics. Some are adapted to living on land while others live in water. Plants that grow on land usually have stiff stems to hold them upright, while water plants tend to have less rigid stems because the water supports them. Plants that live in dry climates like the desert have small or very few leaves. This cuts down on water loss through the leaves. Their stems may also be thick to store water. Plants that grow in shaded areas have large leaves to capture as much sunlight as possible.

Science activity

Look at the drawings below. Explain how each plant is suited to its habitat.

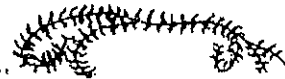


A cactus growing in a hot, dry area.

.....

.....

Pond weed growing just under the surface of water.



.....



A daisy growing in mowed or grazed grass.

.....

.....

Look at these two dandelion plants. Which one do you think grew under a tree? Explain.



.....

.....

Optional Science investigation

① Take extra care - ask an adult to supervise you.

The pitcher plant and the Venus flytrap are examples of plants that eat insects. Use reference books and the Internet to do a report. Make sure to explain why the plant eats insects. Design and conduct an experiment to learn how a Venus flytrap captures insects.

Writing Planning Sheet

