

## FCAT Sample Test Materials

These sample test materials are designed to help you prepare to answer FCAT questions. These materials introduce you to the kinds of questions you will answer when you take FCAT and include hints for responding to the different kinds of questions. The FCAT sample test materials for Grade 4 are composed of the books described below:

- ☒ **Sample Test Book**  
Includes a mathematics sample test, a reading sample test, and instructions for completing the sample tests. (Copies are available for all students in the tested grade.)
- ☐ **Sample Answer Key**  
Includes answers and explanations for the questions in the sample test. (Copies are available for classroom teachers only.)

☒ = This book

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# Sample Test Book



## **Directions for the Mathematics Sample Test . . . . . Page 2**

This section introduces the FCAT Mathematics Sample Test. It includes hints for answering FCAT mathematics questions and an estimate of the time required to complete the sample test.

## **Mathematics Sample Test . . . . . Page 3**

The Mathematics Sample Test consists of 15 practice questions that are similar to questions on FCAT. It includes a perforated (tear-out) Sample Answer Sheet found on page 4.

## **Directions for the Reading Sample Test . . . . . Page 19**

This section introduces the Reading Sample Test. It includes hints for answering FCAT reading questions and an estimate of the time required to complete the sample test.

## **Reading Sample Test . . . . . Page 20**

The Reading Sample Test contains two reading passages and 16 practice questions that are similar to passages on FCAT.

### **Hints for Taking the FCAT Mathematics Test**

*Here are some hints to help you do your best when you take the FCAT mathematics test. Keep these hints in mind when you answer the sample questions.*

- ✓ **Read each problem carefully and think about ways to solve the problem before you try to answer the question.**
- ✓ **Answer the questions you are sure about first. If a question seems too difficult, skip it and go back to it later.**
- ✓ **Be sure to fill in the answer bubbles correctly. Do not make any stray marks around answer spaces.**
- ✓ **Think positively. Some problems may seem hard to you, but you may be able to figure out what to do if you read each question carefully.**
- ✓ **When you have finished each problem, reread it to make sure your answer is reasonable.**
- ✓ **Relax. Some people get nervous about tests. It's natural. Just do your best.**

### **Directions for Taking the Mathematics Sample Test**

This Sample Test contains 15 questions. It should take about 15 to 20 minutes to answer all the questions. You will mark your answers on the Sample Answer Sheet found on page 4 of this book. If you don't know how to work a problem, just ask your teacher to explain it to you. Your teacher has the answers to the sample questions.

# Mathematics Sample Test



The Mathematics Sample Answer Sheet is on the back of this page.

Carefully tear along the dotted line to remove the answer sheet from this book.

After you have removed the answer sheet, begin the sample test. You may write in the test book, but be sure to bubble your answers on the answer sheet.

Name \_\_\_\_\_

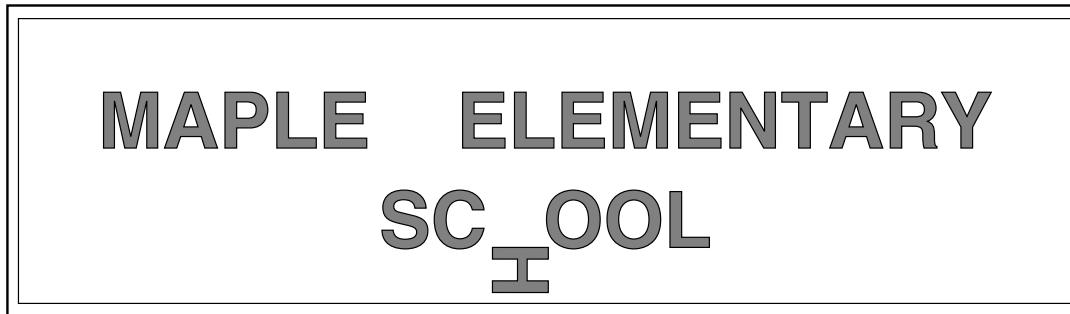
Answer all the questions that appear in the Mathematics Sample Test on this Answer Sheet.

- |                   |  |
|-------------------|--|
| 1 (A) (B) (C) (D) | <input checked="" type="radio"/> (A) (B) (C) (D) |
| 2 (F) (G) (H) (I) | <input checked="" type="radio"/> (F) (G) (H) (I) |
| 3 (A) (B) (C) (D) | <input checked="" type="radio"/> (A) (B) (C) (D) |
| 4 (F) (G) (H) (I) | <input checked="" type="radio"/> (F) (G) (H) (I) |
| 5 (A) (B) (C) (D) | <input checked="" type="radio"/> (A) (B) (C) (D) |
| 6 (F) (G) (H) (I) | <input checked="" type="radio"/> (F) (G) (H) (I) |
| 7 (A) (B) (C) (D) | <input checked="" type="radio"/> (A) (B) (C) (D) |
| 8 (F) (G) (H) (I) |  |

Fold and Tear Carefully Along Dotted Line



- 1 When Keith got to school, he noticed the sign in front of the school looked like this.



Which of the following best describes, in geometric terms, what happened to the "H"?

- A. a single flip
- B. a single slide
- C. a single  $90^\circ$  turn (rotation)
- D. a single  $180^\circ$  turn (rotation)

- 2 Sarah is growing a bean plant for a science project.



Which of the following units would be the most appropriate for measuring the height of the bean plant?

- F. liter
- G. meter
- H. kilogram
- I. centimeter



- 3 In science class, Sam recorded the following amounts of rainfall for one 4-day period.

**AMOUNT OF RAINFALL RECORDED**

Day of Week	Amount of Rainfall
Monday	0.12 inches
Tuesday	0.02 inches
Wednesday	0.21 inches
Thursday	0.11 inches

On what day of the week did Sam record the **least** amount of rainfall?

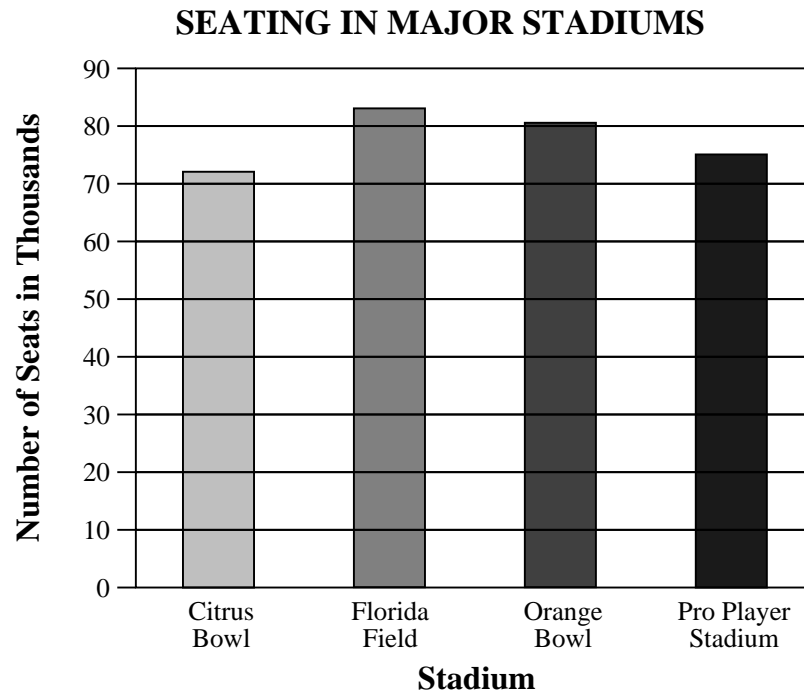
- A. Monday
  - B. Tuesday
  - C. Wednesday
  - D. Thursday
- 4 The average temperature during January in Pensacola, Florida, is  $61^{\circ}$  Fahrenheit. The average temperature during January in Miami, Florida, is  $76^{\circ}$  Fahrenheit. Let  $d$  represent the difference between the average temperatures in Pensacola and Miami during January.

Which of the following expresses the difference between the average temperatures in Pensacola and Miami during January?

- F.  $d = 76 + 61$
- G.  $d = 76 - 61$
- H.  $d = 76 \times 61$
- I.  $d = 76 \div 61$



- 5 The bar graph shows the number of seats for 4 major stadiums in Florida.



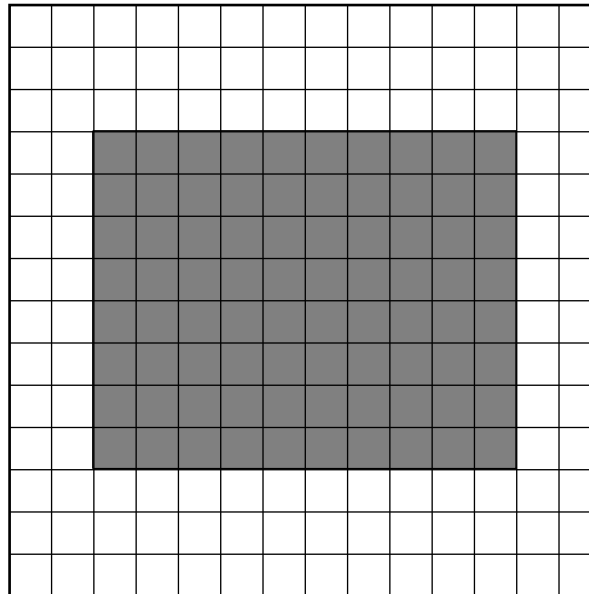
Which stadium holds the **second greatest** number of people?


- A. Citrus Bowl
- B. Florida Field
- C. Orange Bowl
- D. Pro Player Stadium



- 6 Javier is getting new carpet for his bedroom. The shaded area in the picture below shows the size and shape of his bedroom.

**JAVIER'S BEDROOM**



 = 1 square foot

What is the area of Javier's bedroom?

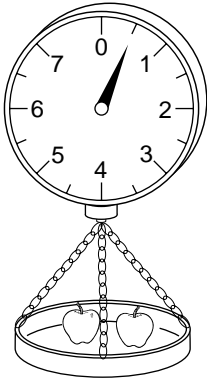
**Area of a rectangle = length  $\times$  width**

- F. 100 square feet
- G. 80 square feet
- H. 72 square feet
- I. 64 square feet

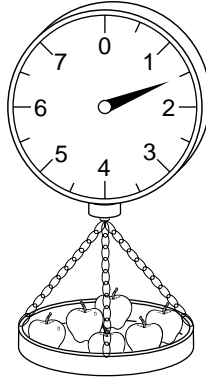
- 7 Sean's mother sent him to the grocery store to buy 2 pounds of apples.

Which of the following scales shows 2 pounds of apples?

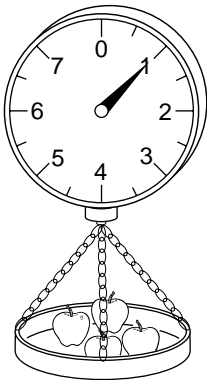
A.



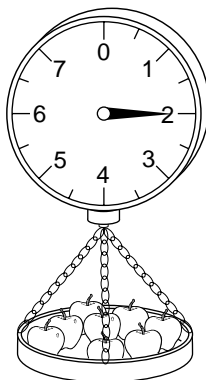
C.



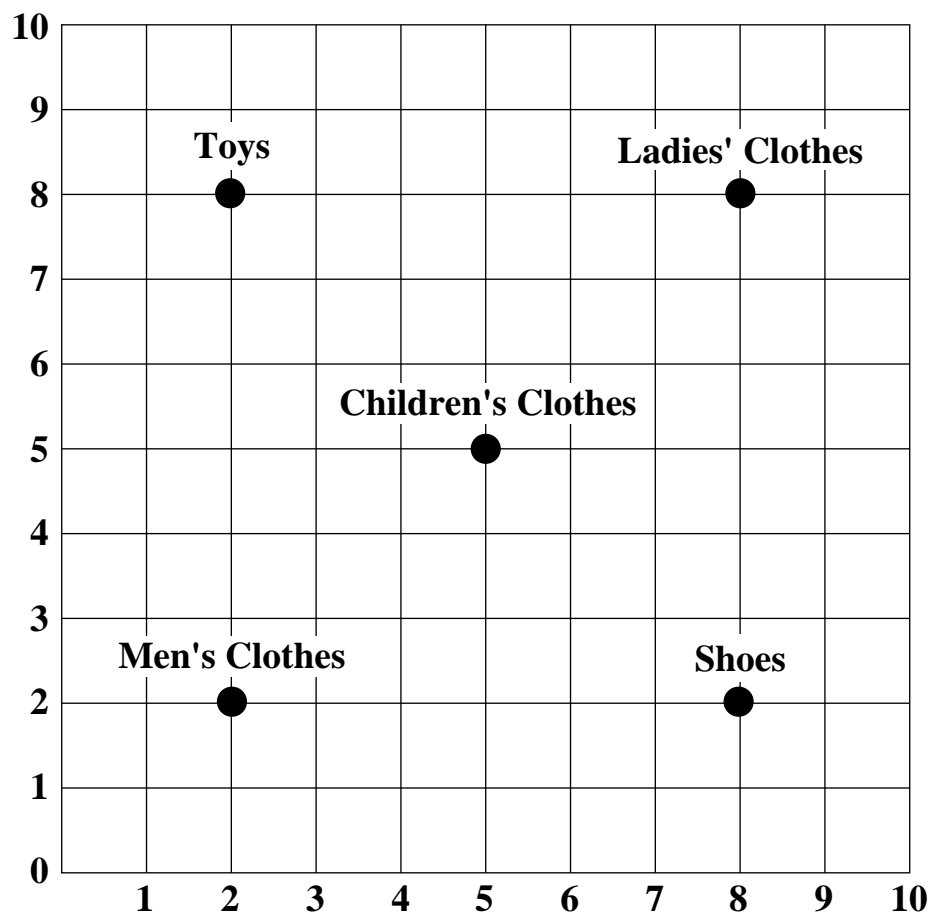
B.



D.



- 8 David and his older sister, Claire, went to a store with their mother. She told them to meet her in the shoe department in fifteen minutes.



Which ordered pair on the grid represents the shoe department?

- F. (2, 8)
- G. (3, 9)
- H. (8, 2)
- I. (9, 3)

- 9 Pat is making a key ring by stringing beads on a leather strip. He may choose one of the following 2 colors for the leather strip.

**BLACK**

**WHITE**

Then he may choose one of the following 3 colors for the beads.

**RED**

**BLUE**

**YELLOW**

How many different color combinations can Pat make?

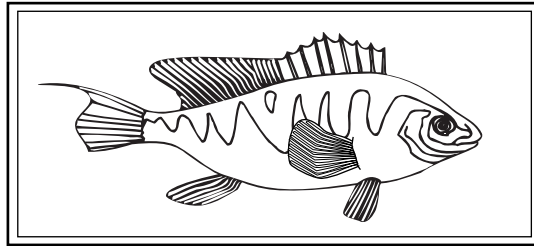
- A. 8
  - B. 6
  - C. 4
  - D. 2
- 10 Mr. Nacarrato is lining up his students in this order.

girl, girl, boy, boy   girl, girl, boy, boy   girl, girl, boy,   ?     ?

If he continues the same pattern, what are the next two students in line?

- F. boy, boy
- G. boy, girl
- H. girl, boy
- I. girl, girl

- 11 One of the largest black sea bass ever caught in Florida weighed 5 pounds, 1 ounce.

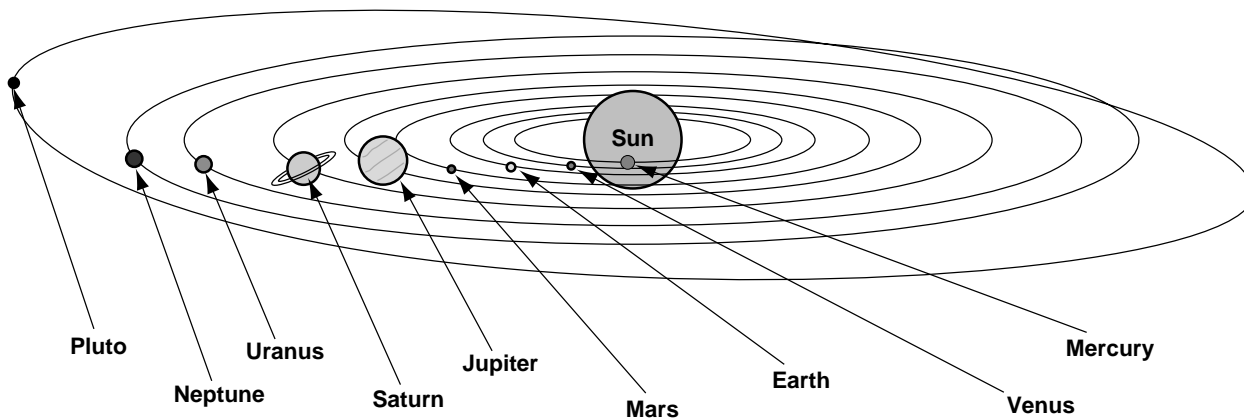


1 pound = 16 ounces

Which of the following shows the weight of the black sea bass in ounces?

- A. 81 ounces
  - B. 86 ounces
  - C. 91 ounces
  - D. 96 ounces
- 12 There are about 20 times as many species of ants as there are species of bats. Let  $b$  represent the number of species of bats. Which expression represents the number of species of ants?
- F.  $b + 20$
  - G.  $b \div 20$
  - H.  $20 \times b$
  - I.  $20 \div b$

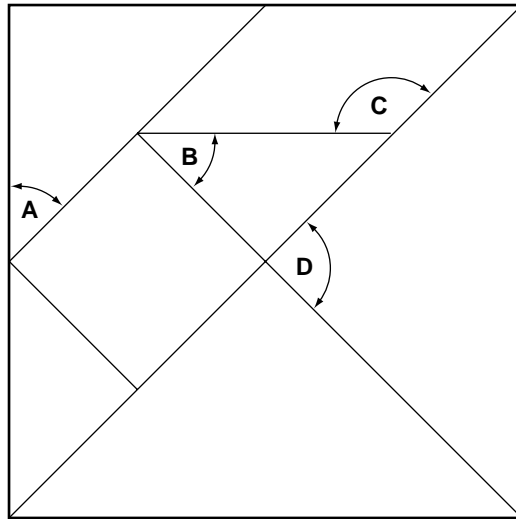
- 13 About  $\frac{7}{25}$  of the Earth's crust is made of silicon. Which of the following has the same value as  $\frac{7}{25}$ ?
- A. 0.07  
B. 0.18  
C. 0.25  
D. 0.28
- 14 The two smallest planets in the solar system are Pluto and Mercury. Pluto has a diameter of 1,413 miles. Mercury has a diameter of 3,032 miles.



How much larger is the diameter of Mercury than the diameter of Pluto?

- F. 1,519 miles  
G. 1,619 miles  
H. 1,621 miles  
I. 2,629 miles

- 15 A tangram is an ancient Chinese puzzle. It is made of seven pieces that fit together to make a square.



Which of the angles marked in the tangram puzzle above is an **obtuse** angle?

- A. Angle A
- B. Angle B
- C. Angle C
- D. Angle D





This is the end of the Mathematics Sample Test.  
Until time is called, go back and check your work or answer questions you did not complete. When you have finished, close your test book.

# Reading Sample Test



## Hints for Taking the FCAT Reading Test

*Here are some hints to help you do your best when you take the FCAT reading test. Keep these hints in mind when you answer the sample questions.*

- ✓ Learn how to answer each kind of question. FCAT reading tests have three types of questions: multiple choice, short-response and extended-response.
- ✓ Read the directions carefully. Ask your teacher to explain any directions you do not understand.
- ✓ Read the passages and questions very carefully. You may look back at a passage as often as you like.
- ✓ Answer the questions you are sure about first. If a question seems too difficult, skip it and go to it back later.
- ✓ Be sure to fill in the answer bubbles correctly. Do not make any stray marks around answer spaces.
- ✓ Think positively. Some questions may seem hard, but others will be easy.
- ✓ Check each answer to make sure it is the best answer for the question.
- ✓ Relax. Some people get nervous about tests. It's natural. Just do your best.



### **How to Answer the “Read, Think, and Explain” Questions**

*Answers to the short- and extended-response questions can receive full or partial credit. You should try to answer these questions even if you are not sure of the correct answer. If a portion of the answer is correct, you will get a portion of the points.*

- **Allow about 5 minutes to answer the short “Read, Think, and Explain” questions and about 10 to 15 minutes to answer the long ones.**
- **Read the question carefully.**
- **If you do not understand the question, go back and review the passage.**
- **Think carefully and organize your thoughts before starting to write your answers.**
- **Write your answer on the lines provided in the Answer Book.**
- **Remember to include details and information from the passage in your answer.**
- **Use clear, concise language to explain your answer.**
- **Be sure to answer every part of the question.**
- **Reread the answer to make sure it says what you want it to say.**

### **Directions for Completing the Reading Sample Test**

This book contains two reading passages and 16 sample questions. It should take about 30 to 45 minutes to read the passages and answer all the questions. You will mark your answers in this book. If you don’t understand a question, just ask your teacher to explain it to you. Your teacher has the answers to the sample questions.

# Reading Sample Test



Here is a list with pictures to help you locate the passages in your Reading Sample Test.  
The questions follow each passage.



**Crater Lake** ..... **Page 21**

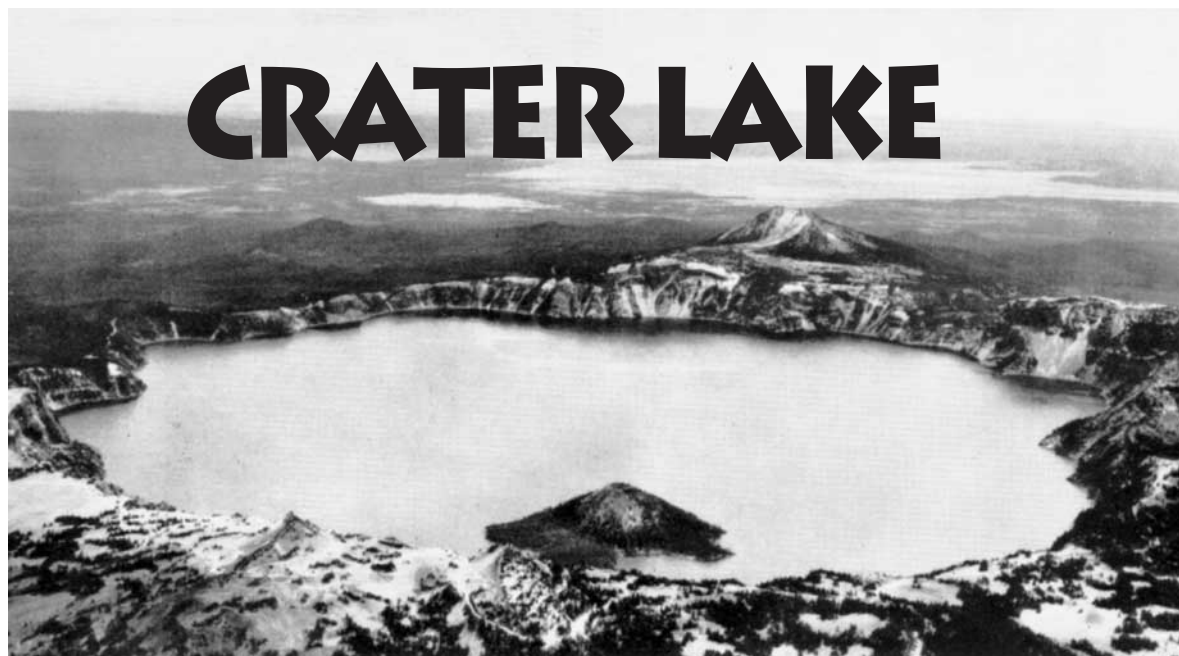


**Under the Rice Moon** ..... **Page 27**

After you have read each passage, read and answer the questions.



Read the article “Crater Lake” before answering Numbers 1 through 8.



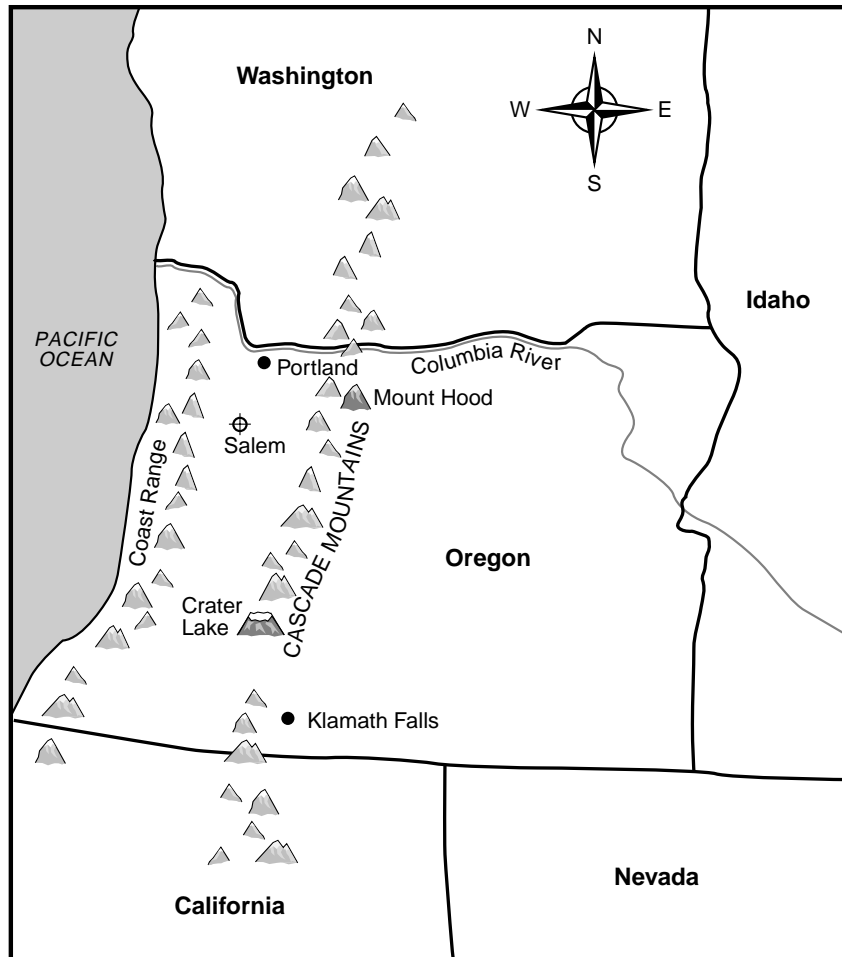
In Oregon there is a lake of incredible blue that is hidden from sight until you look over the edge of the wide rocky bowl that holds it. Called Crater Lake, it is one of the natural wonders of North America. Until about a hundred years ago, the lake was known to very few people. The Klamath people who were native to the area did not talk to strangers about the lake because it had a special meaning in their culture.

The story of the lake actually began thousands of years before, when one volcanic eruption after another created a twelve thousand foot mountain

called Mount Mazama. Then about seven thousand years ago, Mount Mazama blew up. Rivers of lava flowed, and hot gases and ash were thrown into the air.

Because it was hollow, the top of Mount Mazama fell in on itself. After the volcano exploded, all that was left was a hole, called a *caldera*. The Mount Mazama caldera, which was six miles wide and several thousand feet deep, looked like a great bowl with steep sides.

It is believed that the bowl remained empty for hundreds of years because water drained



through holes in the bottom. However, after a small volcano rose from the floor of the caldera, its lava sealed the drain holes. As rain and snow collected in the huge bowl, Crater Lake came into being.

In 1853 a group of miners reported seeing the lake.

Twenty years later Peter Britt, a pioneering photographer, took the first photograph of the lake. Later, the picture was widely printed in magazines, and the beautiful Crater Lake we know today became famous.

Photograph of Crater Lake reprinted courtesy of the Washington National Guard State Historical Society.



Now answer Numbers 1 through 8. Base your answers on the article "Crater Lake."

- 1 Based on the description in the article of how Crater lake was formed, which words mean about the SAME as *crater*?
  - (A) lava river
  - (B) mountain top
  - (C) natural water
  - (D) volcano opening
- 2 Why did the author write the article "Crater Lake"?
  - (F) to tell the history of a special place
  - (G) to inform readers about the Klamath people
  - (H) to describe the cause of a dangerous explosion
  - (I) to persuade readers to become nature photographers

- 3 What result of the first Mount Mazama explosion was most important to the formation of Crater Lake? Use details and information from the article to support your answer.

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- 4 Why is the Mount Mazama caldera compared to a bowl?
- Ⓐ because both can hold rocks and fish
  - Ⓑ because both can be made by humans
  - Ⓒ because both are important in human history
  - Ⓓ because both are containers with a rounded shape
- 5 Based on the map on page 22, a person who visits Crater Lake while traveling from Klamath Falls to Portland would MOST LIKELY
- Ⓕ see the Pacific Ocean.
  - Ⓖ follow the Columbia River.
  - Ⓗ go through the Coast Range.
  - Ⓘ cross the Cascade Mountains.



6

Based on the article and the picture, describe what you would expect to see if you visited Crater Lake. Be sure to include details and information from the article about the lake's size, color, surroundings, and location.

READ  
THINK  
EXPLAIN

READ
THINK
EXPLAIN

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.



- 7 Why was the bowl in Mount Mazama empty for hundreds of years?
- Ⓐ It had holes in it.
  - Ⓑ It was too big to fill.
  - Ⓒ It did not have rivers near it.
  - Ⓓ It did not collect enough rain.
- 8 This article is MOSTLY about
- Ⓕ the biggest mountain in Oregon.
  - Ⓖ a famous photographer of nature.
  - Ⓗ a beautiful place formed by nature.
  - Ⓘ the first volcano found in North America.

Read the story "Under the Rice Moon" before answering Numbers 9 through 16.



# Under the Rice Moon



by **Rhiannon Puck**  
Illustrated by *Kris Waldherr*

**F**AR FROM THE evening shadows thrown by Hong Kong's tall buildings, the narrow streets of the city of Kowloon come alive under the rice moon.<sup>1</sup> Food stands sell bowls of noodles, rice, and fried fish balls on bamboo sticks to factory workers strolling homeward at the end of the day.

In a small rattan<sup>2</sup> cage, a cliff swallow huddles with its tiny wings tucked in around its body. For the first time in its life, the little swallow will not fly under the rice moon tonight.

The man who caught the swallow that same morning sells dried fruits and sugarcane. A young girl walking through the marketplace buys a stick of cane to chew and sees the swallow in its small cage.

She has just enough money to buy it, and as she walks home, the rattan cage swings and bobs lightly on her arm. "I promise to take care of you, little bird," the young girl whispers.

The swallow blinks at her sadly from the corner of the cage, and in a language the young girl cannot understand, the bird cries, "Let me fly under the rice moon!"

Sour smells and sharp noises come from the side alleys and drift out to the crowds, and taxi horns blare in a dash for the next fare. Near the center of the market, a boy glances up from the pairs of colorful brocade<sup>3</sup> slippers his mother has made for him to sell.

When a young girl stops to look at the slippers, the boy sees a caged bird at her side. The swallow blinks at him from the corner of the cage.

The boy trades a pair of his mother's best brocade slippers for the swallow and lifts the cage to look at the bird. "I promise to take care of you, little bird," the boy murmurs.

The cliff swallow coos, "How I would like to fly under the rice moon!" But the boy does not understand.

He puts the cage to one side as a man stops at the market stand to look at the rows of brocade slippers. After a hard day's work, he wearily searches for a cheerful gift for his young daughter, who has been at home with a fever.

He hears the cliff swallow flutter its wings softly as he looks through the stacks of shoes. Thinking that the tiny bird would make his ailing daughter happy, he offers the boy a very high

<sup>1</sup> **rice moon:** a full, white moon of winter or early spring

<sup>2</sup> **rattan:** the stems of an Asian palm tree

<sup>3</sup> **brocade:** a silk fabric with designs



price. "I know who will take care of you, little bird," the man whispers.

When he arrives home, he carries the cliff swallow in its rattan cage to the room where his daughter lies sleeping. Rather than wake her, he places the caged bird on her bedside table. As he leaves the room the little bird coos, "Oh, please let me fly under the rice moon tonight!" But the man does not understand the swallow's language.

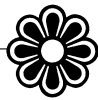
When the girl wakes suddenly in the middle of the night, the first thing she sees through her fever is a small cliff swallow blinking at her from behind the bars of a rattan cage. She knows too well how terrible it is to be kept inside.

"I know what you need, little bird," she murmurs. But the swallow no longer believes what people say.

Slowly, the sickly girl rises from her bed and carries the cage to the open window. Unlatching the rattan door, the girl asks, "Will you fly for me, too, little bird?" And her language is one that the swallow understands.

For a moment, the bird studies the open cage door uncertainly. Then it steps to the ledge, carefully spreads its small wings, and flies away.

Although the cliff swallow now can fly anywhere it chooses, it always passes by the little girl's bedroom window each night. And each night, for a little while, both the bird and the girl are free under the rice moon.



*Under the Rice Moon*

Now answer Numbers 9 through 16. Base your answers on the story "Under the Rice Moon."

- 9 How are the daughter and the bird ALIKE?
- Ⓐ They both are very sick.
  - Ⓑ They both like rattan cages.
  - Ⓒ They both can travel anywhere they want.
  - Ⓓ They both know what it is like to be trapped inside.
- 10 Why does the first young girl trade the swallow?
- Ⓕ She feels sorry for the bird.
  - Ⓖ She wants the colorful slippers.
  - Ⓗ She wants to buy a stick of cane.
  - Ⓘ She feels sorry for the man's sick daughter.



- 11** What do the first young girl, the boy, and the father all do that is ALIKE?  
Use details and examples from the story to explain your answer.

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- 12** Read this sentence from the story.

**After a hard day's work, he wearily searches for a cheerful gift for his young daughter, who has been at home with a fever.**

What does *wearily* mean?

- Ⓐ carelessly
- Ⓑ joyfully
- Ⓒ nervously
- Ⓓ tiredly



**13** What is the reason the first young girl, the boy, and the father do not understand what the bird is saying?

- Ⓕ They are not used to hearing bird sounds.
- Ⓖ They do not understand what the rice moon is.
- Ⓗ They are not thinking about how the bird feels.
- Ⓐ They cannot hear well in the noisy marketplace.

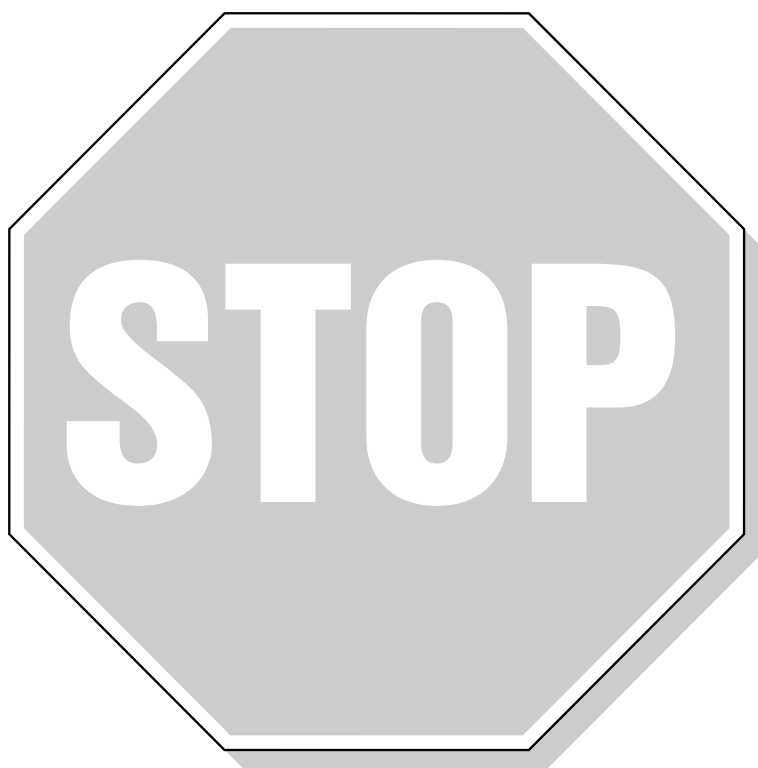
**14** Why does the sick daughter ask the bird to fly for her, too? Use details from the story to explain your answer.

<div>A small graphic of a book spine with three horizontal lines.</div> <div><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/></div>
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- 15** Why does the swallow fly past the daughter's window every night?
- Ⓐ It has lost its way.
  - Ⓑ It wants to get inside.
  - Ⓒ It remembers the girl.
  - Ⓓ It is afraid of the rice moon.
- 16** How is the daughter DIFFERENT from the other people in the story?
- Ⓕ She receives the bird.
  - Ⓖ She dislikes the bird.
  - Ⓗ She understands the bird.
  - Ⓘ She decides to trade the bird.



This is the end of the Reading Sample Test.  
Until time is called, go back and check your work or answer questions you did not complete. When you have finished, close your test book.







