

2006

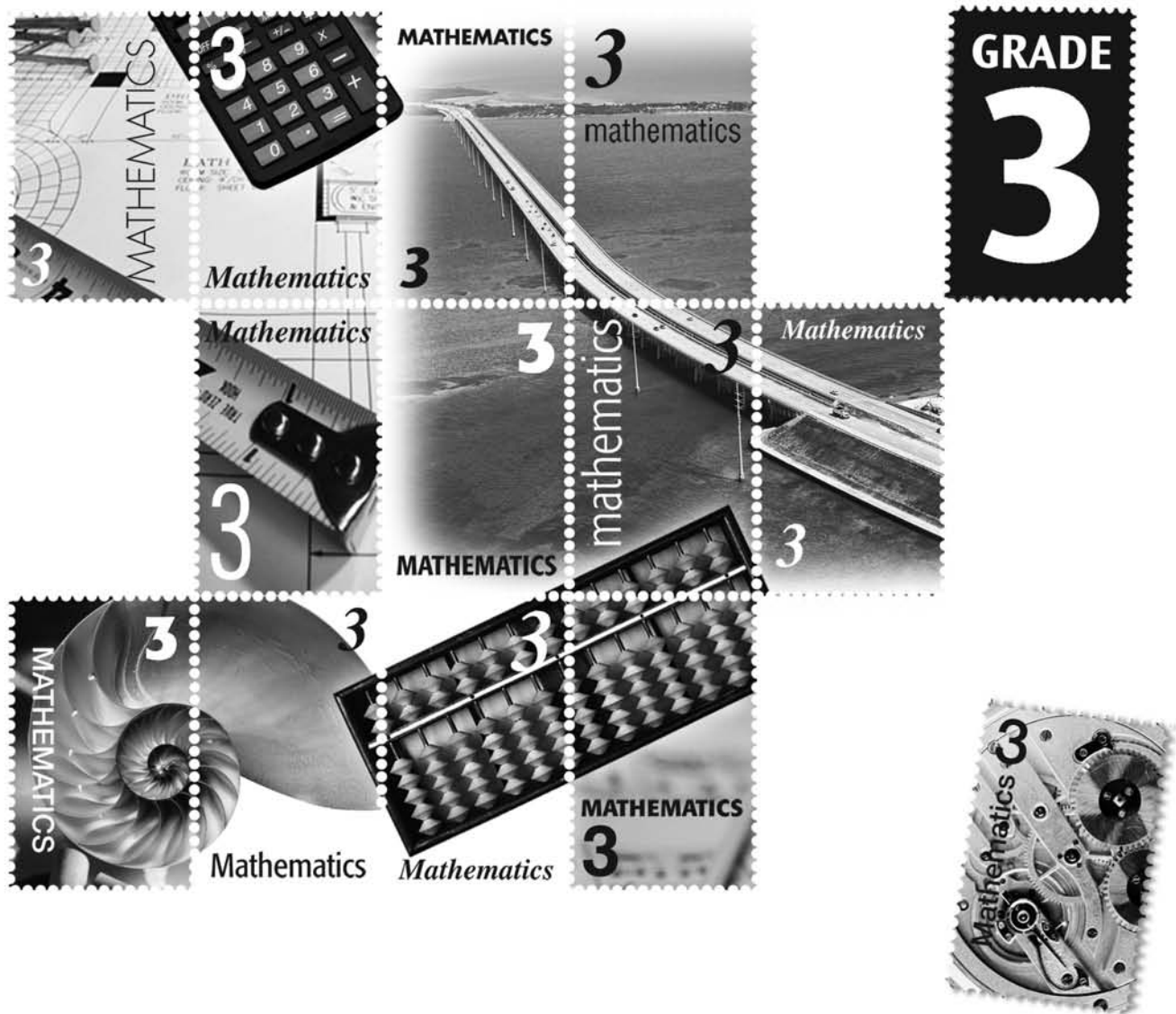
FCAT

Florida Comprehensive Assessment Test

Student Name _____

MATHEMATICS

SAMPLE TEST BOOK



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 FCAT questions. The FCAT Mathematics sample test materials for Grade 3 are composed of the books described below:

- ☒ **Sample Test Book**
Includes a mathematics sample test and instructions for completing the sample test. (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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FCAT Mathematics Sample Test Book



Taking the FCAT 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.

FCAT Mathematics Sample Test Page 3

The Mathematics Sample Test consists of 15 practice questions that are similar to questions on the FCAT.

Taking the FCAT Mathematics Sample Test

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

The questions in this Sample Test are called multiple-choice questions. A **multiple-choice question is followed by several answer choices**. Read all the answer choices under each question and decide which answer is correct. For this sample test, you will fill in the bubble next to the answer choice you think is correct for each multiple-choice question.

This Sample Test contains 15 questions. It should take about 15 to 20 minutes to answer all the questions. You will mark your answers in 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.

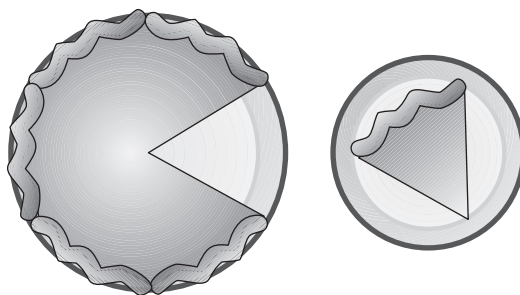
Calculators and rulers are NOT to be used on the Mathematics Sample Test.

- 1 A third grade class raised money to buy a class pet. There were 20 students in the class. Each student raised 4 dollars.

Which of the following could be used to find out how much money all of the students raised all together?

- (A) $20 + 4$
- (B) $20 - 4$
- (C) 20×4
- (D) $20 \div 4$

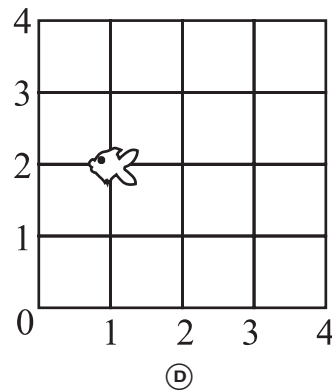
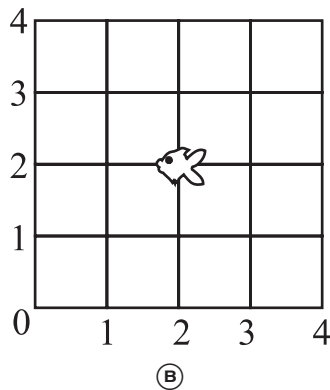
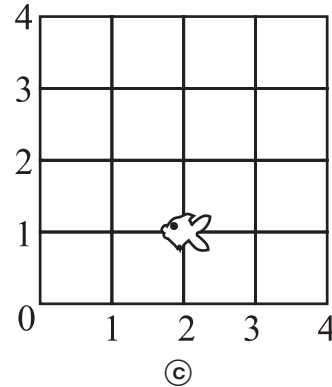
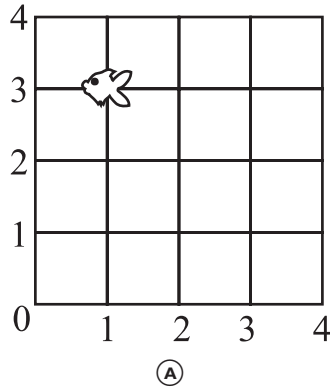
- 2 Alex cut 1 piece of pie for dessert.



If the rest of the pie is cut, and each piece is the same size as Alex's, which is the **best** estimate of the number of pieces **remaining**?

- (F) 4
- (G) 5
- (H) 6
- (I) 8

- 3 Which grid shows the fish located at (1, 2)?



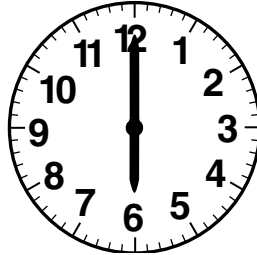
- 4 Jamal spent \$12 for 4 tickets.

If each ticket was the same price, which equation could be used to find out how much he spent on each ticket?

- (F) $12 \div 4 = \square$
(G) $4 + \square = 12$
(H) $12 - 4 = \square$
(I) $4 \times 12 = \square$

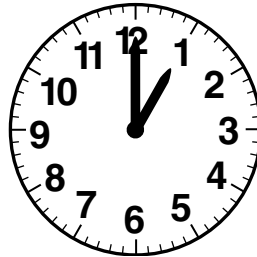
- 5 Melanie went fishing with her dad. This clock shows the time they left in the morning.

Time they left
in the morning



This clock shows the time they returned home that afternoon.

Time they returned
in the afternoon



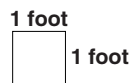
How many hours were they on their fishing trip?

- Ⓐ 1 hour
- Ⓑ 5 hours
- Ⓒ 6 hours
- Ⓓ 7 hours

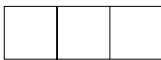
- 6 The first flag of the United States had 13 white stars. The flag now has 50 white stars. How many more white stars are on the United States flag today than were on the first flag?

(F) 37
(G) 47
(H) 50
(I) 63

- 7 Dante used square tiles to make the figures below. Which of Dante's figures has the **greatest** perimeter?



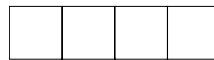
Perimeter = distance around a figure



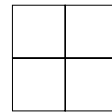
(A)



(B)

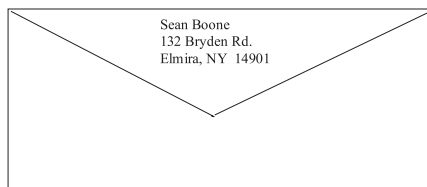


(C)

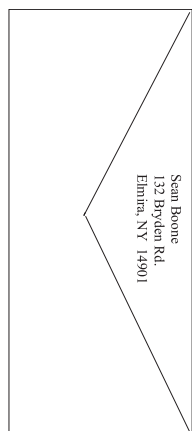


(D)

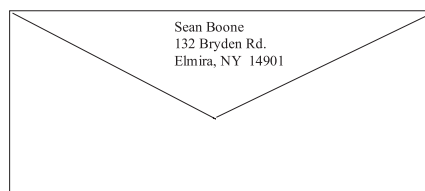
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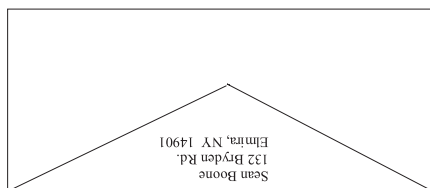
Which drawing shows how the envelope above will look when turned 180° ?



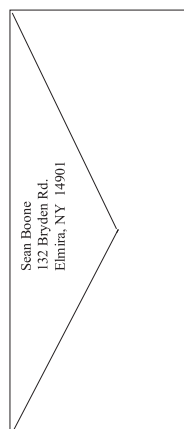
F



H

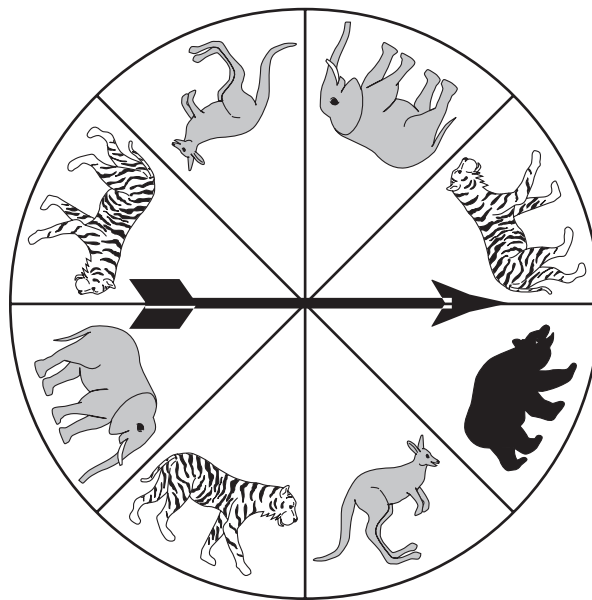


G



I

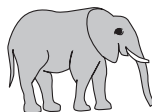
- 9 José is an animal doctor who works at the zoo. Yesterday he weighed an elephant. Which unit of measure could be used to weigh an elephant?
- (A) inches
 - (B) pounds
 - (C) quarts
 - (D) yards
- 10 The picture below shows a spinner for an animal board game.



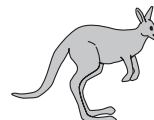
In which animal section is the spinner **least likely** to land?



(F)



(G)

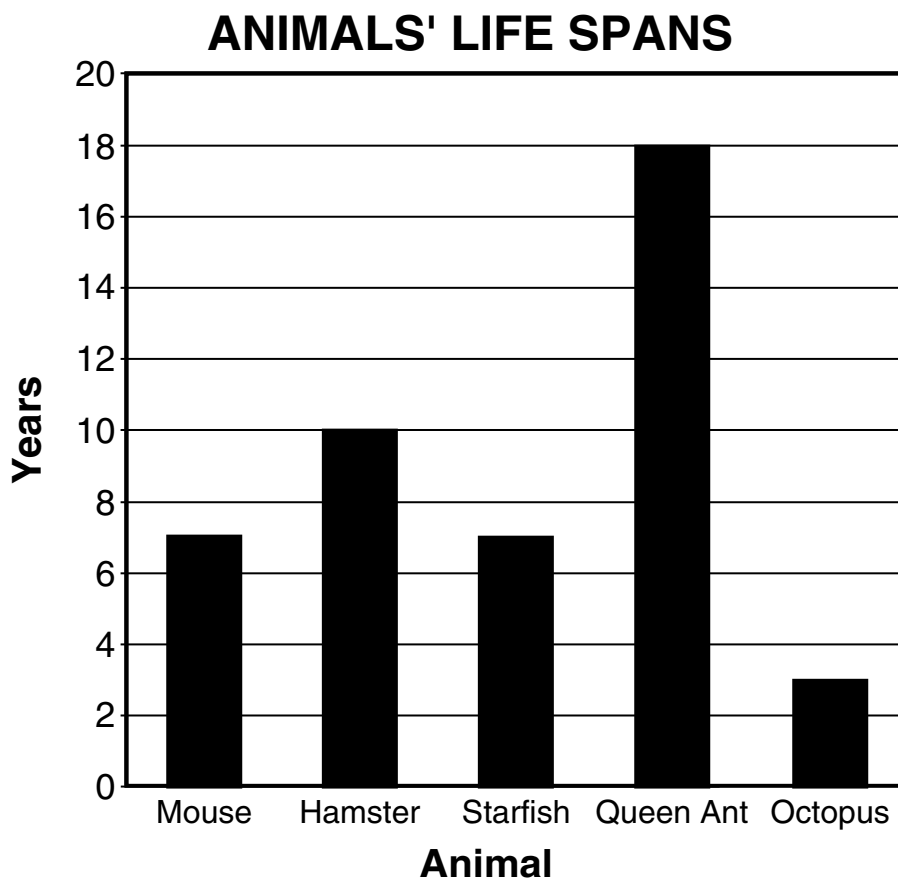


(H)



(I)

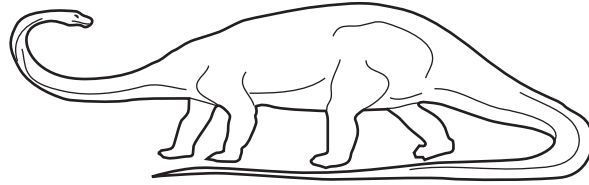
- 11 The graph below shows the life span, in years, of several animals.



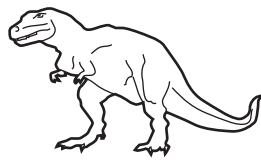
How much longer is the life span of a starfish than an octopus?

- Ⓐ 4 years
- Ⓑ 5 years
- Ⓒ 6 years
- Ⓓ 10 years

- 12 Hakim was studying dinosaurs. He learned that the weight of an adult Diplodocus was about 2 times the weight of an adult Tyrannosaurus Rex. The letter t represents the weight of an adult Tyrannosaurus Rex.



Diplodocus



Tyrannosaurus Rex

Which of the following could be used to find the weight of an adult Diplodocus?

- Ⓕ $2 + t$
- Ⓖ $t - 2$
- Ⓗ $2 \times t$
- Ⓘ $t \div 2$

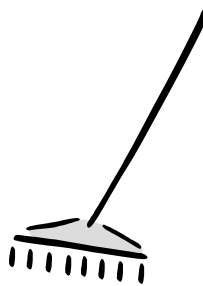
- 13 Phoebe measured the height of 5 plants she grew for a science experiment. They measured 5 inches, 7 inches, 4 inches, 6 inches, and 7 inches. What is the median height of these plants?
- (A) 4 inches
- (B) 5 inches
- (C) 6 inches
- (D) 7 inches
- 14 Maria has these tools to use in her garden.



Hedge
Trimmers



Spade
Shovel



Rake



Garden
Shovel



Gloves

Which fraction below shows the number of shovels compared to the whole set?

- (F) $\frac{1}{5}$
- (G) $\frac{2}{3}$
- (H) $\frac{2}{5}$
- (I) $\frac{5}{2}$

- 15 The following table shows the distance around four different planets.

DISTANCE AROUND

Planet	Distance Around (in miles)
Jupiter	88,732
Mars	4,213
Mercury	3,032
Neptune	30,603

Which planet's distance has the numeral 3 in the ten-thousands place?

- Ⓐ Jupiter
- Ⓑ Mars
- Ⓒ Mercury
- Ⓓ Neptune



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 Sample Test Book.



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