



Pretest Instructions

It is extremely important that you follow standard testing procedures when you administer the STAR Math™ test to your students. Before you begin testing, please check the following:

- Make sure you have provided enough note paper and sharpened pencils for the students to use during the test.
- Explain the test to your students. The Pretest Instructions will walk you through a basic orientation with your students.
- Cover or remove any materials on the walls, whiteboard, and other areas that might help students answer the test items. Do NOT permit students to use calculators or other devices during the test.
- Arrange the desks or computer workstations so that students have enough room to work on the test. This should include enough space for note paper so that students can perform the necessary calculations for the test items.
- Make sure there is enough light and ventilation in the test area.
- Make sure the area is free from noise. Try to avoid distracting locations or times when other students, school bells, or public address announcements can interfere with student concentration.
- If you are administering the test with an iPad®:
 - Make sure the battery is adequately charged before you begin.
 - Make sure you are successfully connected to Renaissance Place™ (using the URL or RPID™— see the *STAR Math Software Manual* for more information).

Teachers: Please read these instructions to your students before they take the STAR Math test. (You can use the enclosed materials to make handouts if you think it will help your students understand the test format.) Read each section aloud exactly as it is printed so that students know what to expect at each stage of the test.

Only students with assigned grades from K–12 will be allowed to take the test.

“You are going to take a test called STAR Math. It is a math test that has multiple-choice questions. You will answer the questions on a computer or an iPad, but you can work the problems out on note paper.

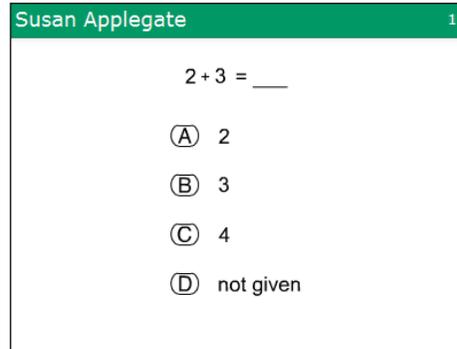
- *(if students are taking the STAR Math test):* There are 24 questions on the test, and it should take you somewhere between 15 and 30 minutes to answer all of the questions.
- *(if students are taking the STAR Math Enterprise™ test):* There are 34 questions on the test, and it should take you somewhere between 20 and 30 minutes to answer all of the questions.
- *(if students are in grade 7 or higher):* For some of the algebra and geometry questions, there will be an on-screen calculator and an on-screen formula reference sheet that you can use to answer the questions.

“This test will probably be harder than other math tests you have taken. That is because STAR Math selects questions just for you to see how much you know about math. You will probably even see math concepts or problems that you have never been taught in school. This is normal for how this special type of test works. Try not to get frustrated by this. Just try to give the best answer to each problem and you will do fine.

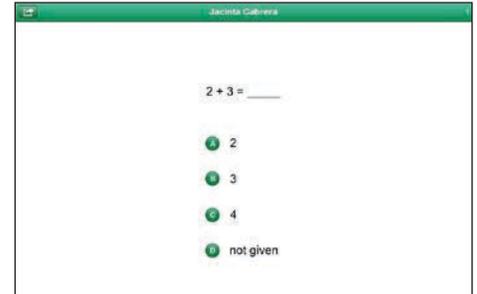
“Do not worry if someone finishes the test before you because every test is different. Do not worry about how many questions you think you get right, or how many you think you get wrong. Everyone will probably miss some of the questions. The main goal is for you to do the best you can.”

Picture 1

Each of the questions has a mathematical problem and a list of four possible answers. Your job is to choose the best answer for the question. Sometimes the correct answer might not be one of the choices in the list. For example, in the problem shown in Picture 1, two plus three equals five, but five is not one of the possible answers. In this case, choose “not given” as your answer.



Desktop/Laptop Computer

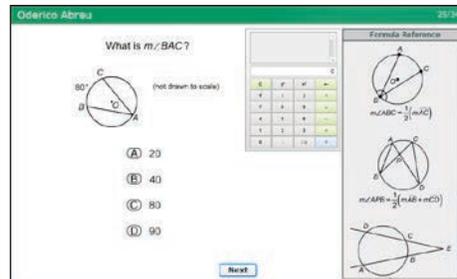


iPad®

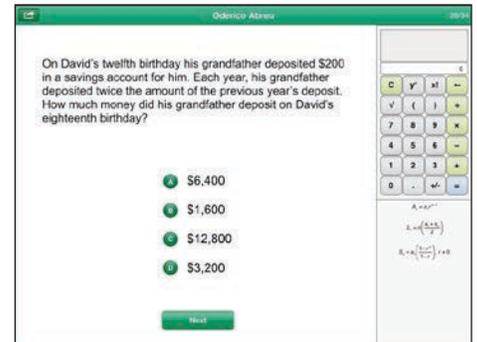
Picture 2

Some algebra and geometry questions will have an on-screen calculator and an on-screen formula reference sheet that you can use to answer the questions.

You can click or tap the calculator buttons, or press the keys on the keyboard to use the calculator. Use the scrollbar on the formula reference sheet to move up and down within it.



Desktop/Laptop Computer



iPad®

Picture 3

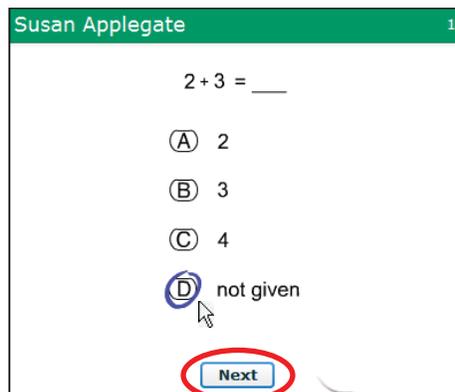
Choosing your answer is easy. Use any of these methods to choose and enter your answer. (You can change your answer choice *before* you enter it.)

Each possible answer has a letter next to it (**A, B, C, or D**).

To answer with the *keyboard*, press the letter that matches the letter of your answer choice. Then, enter your answer choice by pressing **Enter** or **return**.

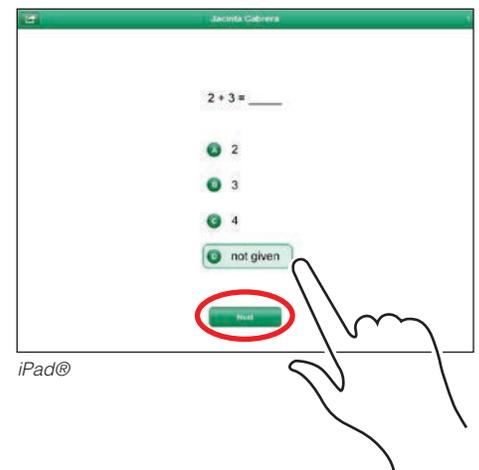


To answer with the *mouse*, click on your answer choice using the left mouse button. Then, enter your answer choice by clicking **Next** on the screen.



Desktop/Laptop Computer

On an iPad®, tap your answer choice. Then, enter your answer choice by tapping **Next**.



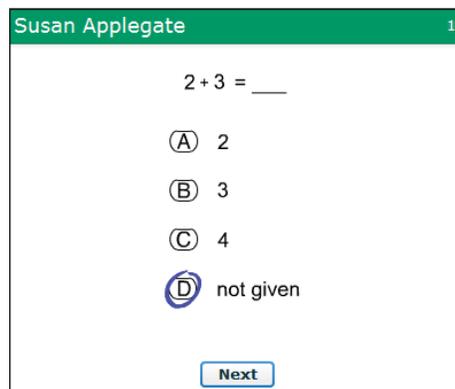
iPad®

Picture 4

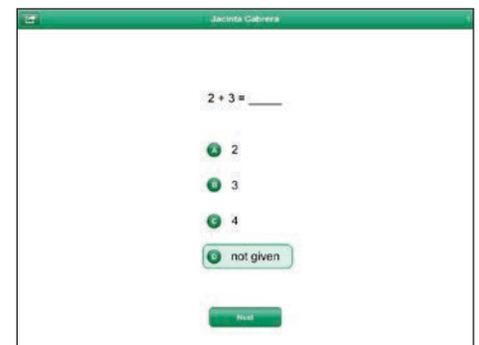
When you choose an answer, a blue circle or green highlight will appear around it as shown in Picture 4. This only shows you which answer you selected. It does *not* mean that you selected the correct answer.

You can change your answer by pressing the letter of your new answer choice on the keyboard, clicking on it with the mouse, or tapping on it (if you are using an iPad®).

The program will draw a circle around, or highlight, your new choice. *You cannot change your answer after you press **Enter** or **return**, or tap or click **Next**.*



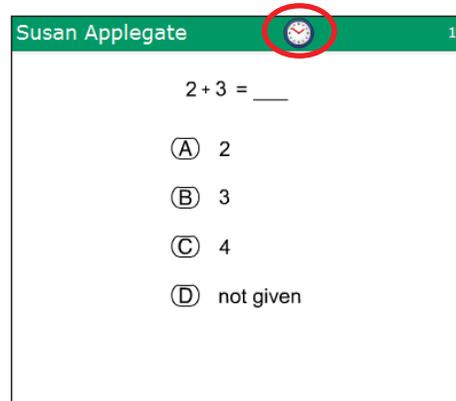
Desktop/Laptop Computer



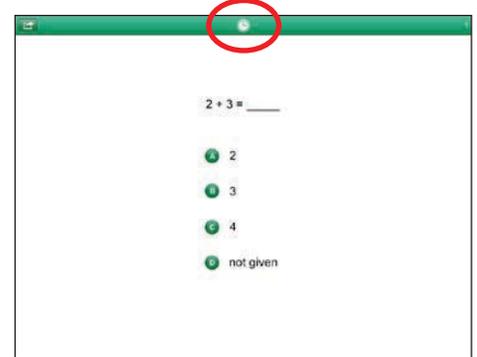
iPad®

Picture 5

If you see a picture of a clock at the top of the screen as shown in Picture 5, time is almost up for that question. Choose your answer quickly. If you don't choose an answer in time, you will see a message that says time is up for that question. The next question will come up in a few seconds, so be ready.



Desktop/Laptop Computer



iPad®

Picture 6

Before you take the test, you may get some practice questions. The practice questions look just like the real test. If you see this message when you are answering the practice questions, you should raise your hand and call the teacher or test monitor. He or she will know what to do.

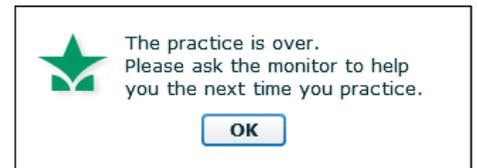
When you finish answering all of the practice questions, the program will show you this message: "Great job on the practice. Let's go to the test." The real test will start automatically. Relax and get ready; the first question will come up soon. Keep answering the questions until the computer tells you that you have finished the test.

Do not forget that you can work the math problems out on note paper. If you do not know the answer to a question, go ahead and choose what you think is the best answer.

When you are finished with the test, tell the teacher or test monitor that you are finished.

If you have any questions about this test, please ask them now. You can ask for help before you start the test and during the practice questions. Once the test starts, the teacher or test monitor will *not* be able to explain any of the questions or help you choose an answer. Also, the teacher cannot tell you if you selected the right answer.

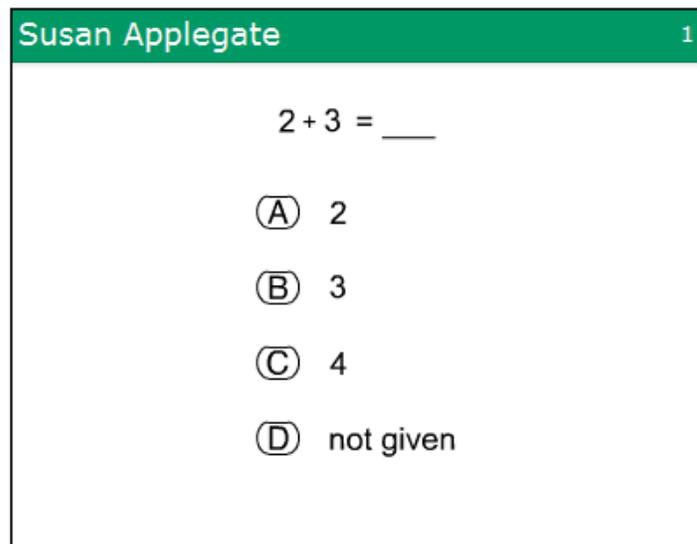
Have fun, and do your best!



Pretest Instructions

Picture 1

This is what the questions look like.



Susan Applegate 1

$2 + 3 = \underline{\quad}$

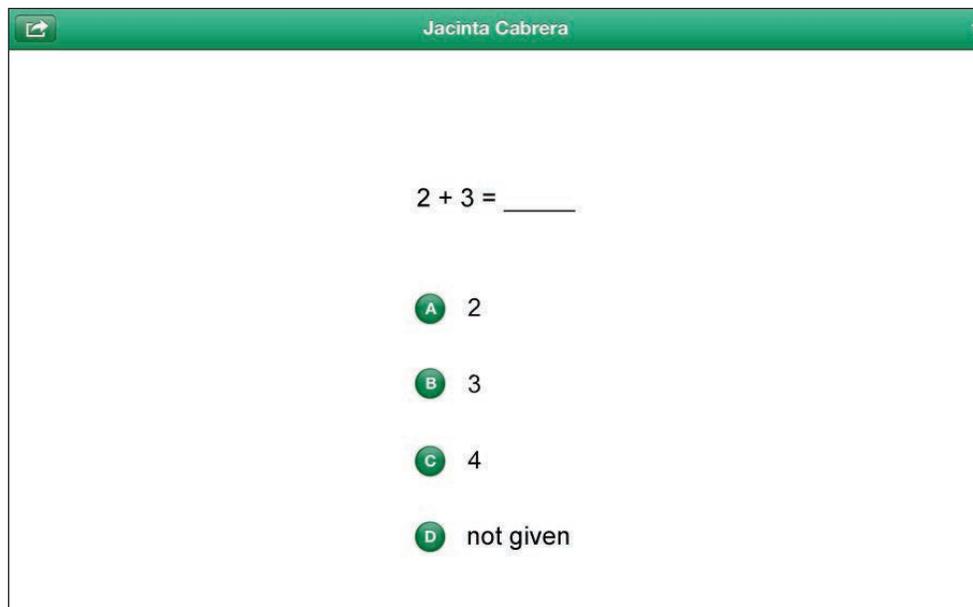
(A) 2

(B) 3

(C) 4

(D) not given

Desktop/Laptop Computer



Jacinta Cabrera 1

$2 + 3 = \underline{\quad}$

A 2

B 3

C 4

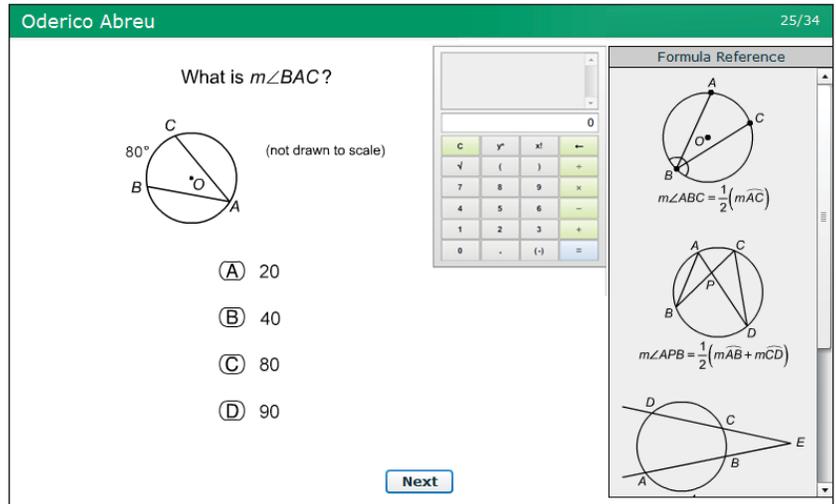
D not given

iPad®

Picture 2

Some algebra and geometry questions will have an on-screen calculator and an on-screen formula reference sheet that you can use to answer the questions.

You can click or tap the calculator buttons, or press the keys on the keyboard to use the calculator. Use the scrollbar on the formula reference sheet to move up and down within it.



Oderico Abreu 25/34

What is $m\angle BAC$?

(not drawn to scale)

80°

(A) 20
(B) 40
(C) 80
(D) 90

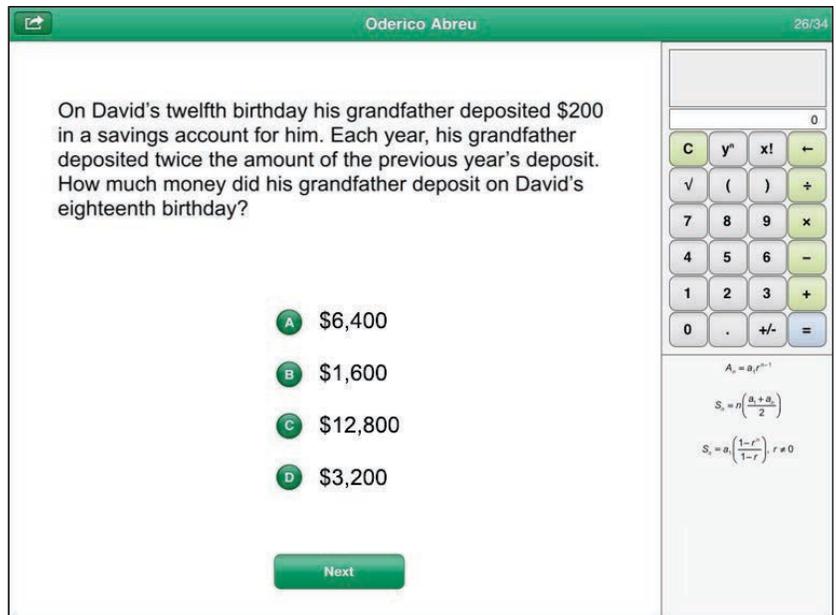
Next

Formula Reference

$m\angle ABC = \frac{1}{2}(m\widehat{AC})$

$m\angle APB = \frac{1}{2}(m\widehat{AB} + m\widehat{CD})$

Desktop/Laptop Computer



Oderico Abreu 26/34

On David's twelfth birthday his grandfather deposited \$200 in a savings account for him. Each year, his grandfather deposited twice the amount of the previous year's deposit. How much money did his grandfather deposit on David's eighteenth birthday?

(A) \$6,400
(B) \$1,600
(C) \$12,800
(D) \$3,200

Next

$A_n = a \cdot r^{n-1}$

$S_n = n \left(\frac{a + a_n}{2} \right)$

$S_n = a \left(\frac{1 - r^n}{1 - r} \right), r \neq 1$

iPad®

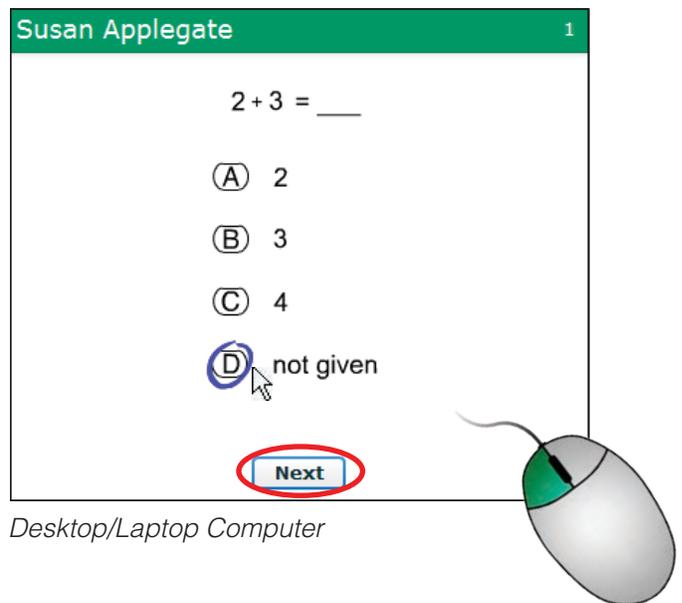
Picture 3

Each possible answer has a letter next to it (**A**, **B**, **C**, or **D**).

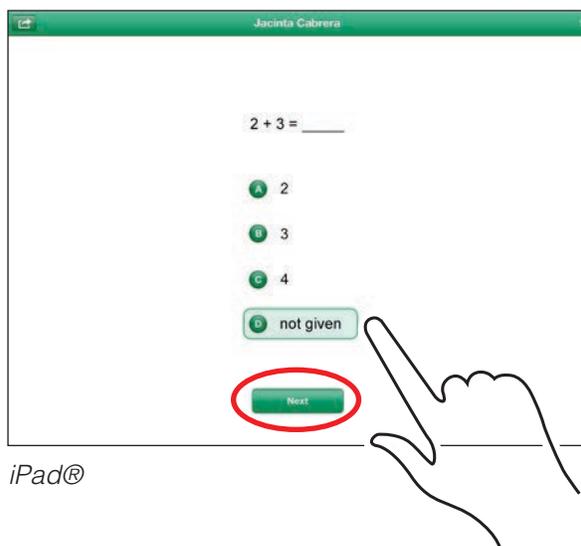
To answer with the *keyboard*, press the letter that matches the letter of your answer choice. Then, enter your answer choice by pressing **Enter** or **return**.



To answer with the *mouse*, click on your answer choice using the left mouse button. Then, enter your answer choice by clicking **Next** on the screen.

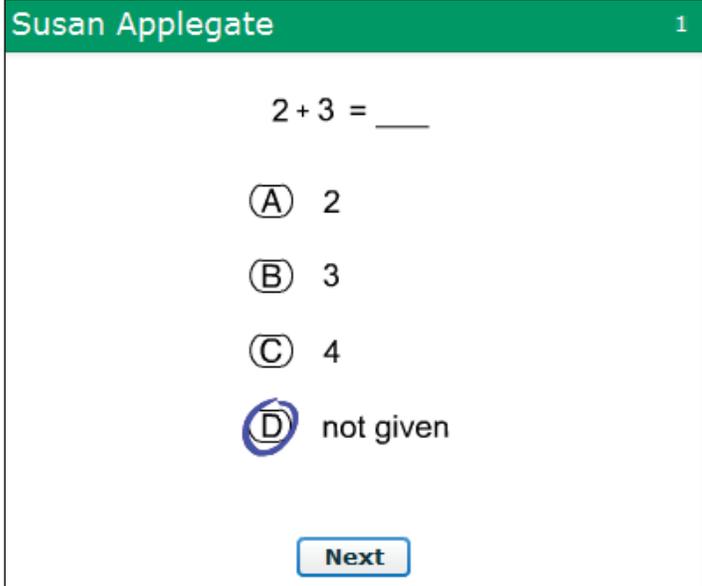


On an iPad®, tap your answer choice. Then, enter your answer choice by tapping *Next*.



Picture 4

When you choose an answer, you'll see a blue circle or green highlight around your choice. This shows the answer you chose. It does *not* mean that you have selected the correct answer.



Susan Applegate 1

$2 + 3 = \underline{\quad}$

(A) 2

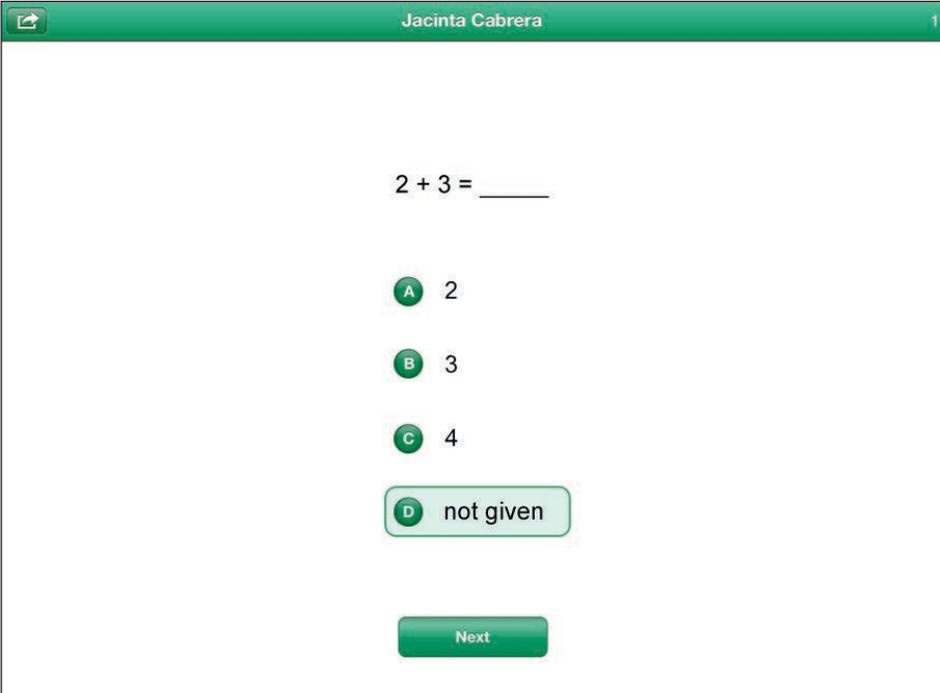
(B) 3

(C) 4

(D) not given

Next

Desktop/Laptop Computer



Jacinta Cabrera 1

$2 + 3 = \underline{\quad}$

(A) 2

(B) 3

(C) 4

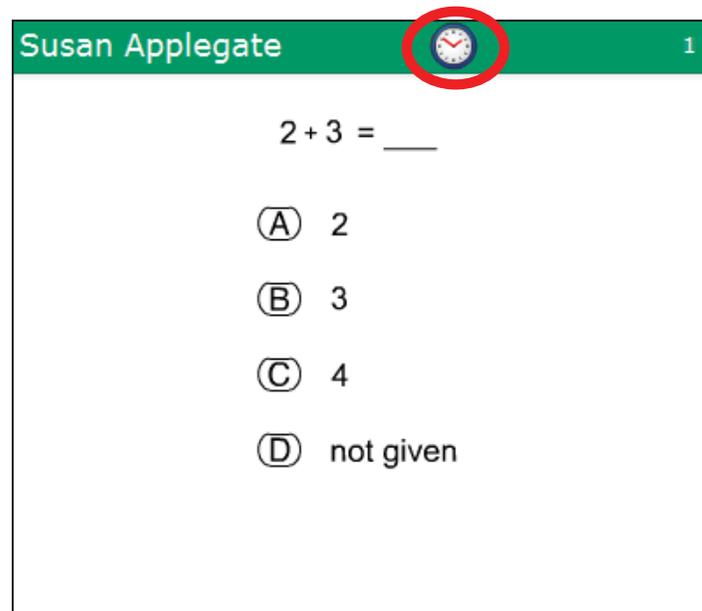
(D) not given

Next

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Picture 5

A clock in the top part of the screen means that time is almost up for this question. Choose your answer quickly.



Susan Applegate  1

$2 + 3 = \underline{\quad}$

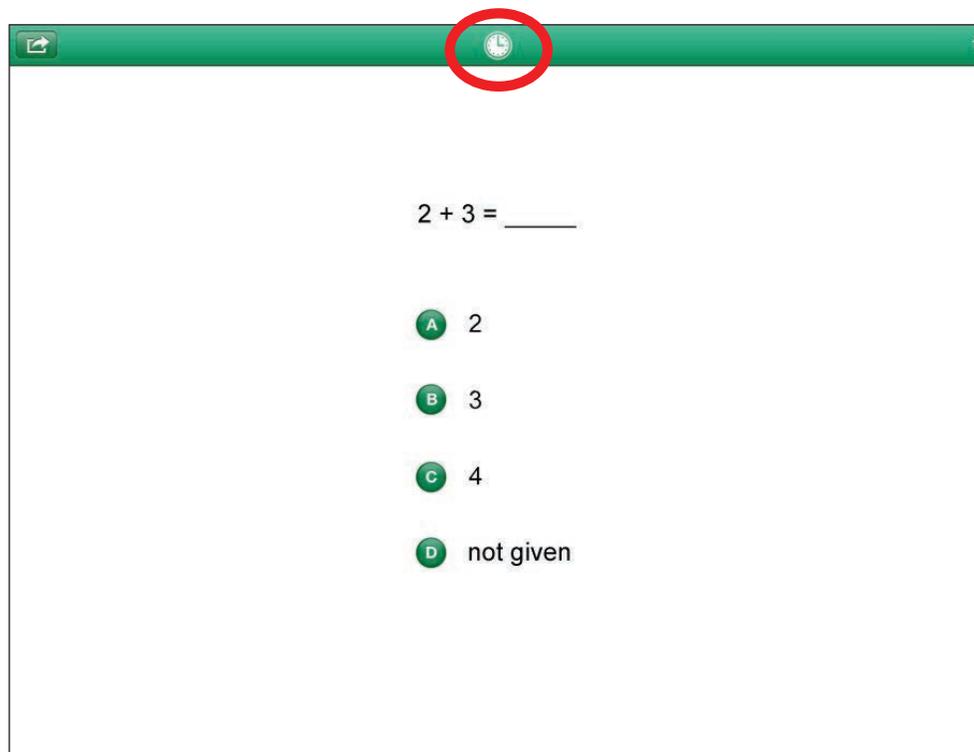
(A) 2

(B) 3

(C) 4

(D) not given

Desktop/Laptop Computer



  1

$2 + 3 = \underline{\quad}$

A 2

B 3

C 4

D not given

iPad®

Picture 6

If you see this message during the practice, raise your hand and ask the teacher or test monitor for help.

