

THE COLLEGE BOARD

SAT Test Directions Translated into <LANGUAGE> for Students Fall 2018 School Day Testing Only

Notes to the Proctor: This document should be printed and distributed once students are seated.

Students may use this document to read translations of the directions that are read aloud or printed in their test book.

Students may keep this document open and on their desk during the entire testing period.

Students may **not** be given additional time, unless approved by College Board as a separate accommodation.

Collect this document from each student at the end of testing and securely destroy it.

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Table of Contents

Notes to the Student.....	3
1 Standard SAT Script.....	3
1.1 Before the Test Begins	3
1.2 Answer Sheet Distribution.....	5
1.3 Test Book Distribution	6
1.3.1 Front Cover Directions.....	8
1.3.2 Back Cover Directions.....	9
1.4 Section 1 — Reading Test.....	10
1.4.1 During the Break.....	11
1.4.2 Section 1 Test Book Directions	11
1.4.3 Certification Statement	11
1.5 Section 2—Writing and Language Test.....	11
1.5.1 Section 2 Test Book Directions	12
1.6 Section 3—Math Test – No Calculator	12
1.6.1 During the Break.....	13
1.6.2 Section 3 Test Book Directions	14
1.7 Section 4—Math Test – Calculator.....	16
1.7.1 During the Break	17
1.7.2 Section 4 Test Book Directions	17
1.8 Section 5: SAT Essay	19
1.8.1 Section 5 Essay Book Directions	20
2 After the Test	20
2.1 Completing the Answer Sheets	20
2.2 Before Dismissing Students	22

Notes to the Student

- The following is a translation of the directions the proctor will read aloud as well as the written directions found in your test book. These translated directions may not match word-for-word what is read by your proctor; however, the pertinent information is the same. If you have questions about what is being read by your proctor, please raise your hand.
- Your proctor may skip some instructions that don't apply to your testing situation.
- You may keep this document on your desk for the entire testing time, but must return it to the proctor after testing.
- You may NOT use this document for scratch paper.
- At various times, your proctor will announce the time remaining in the section, as well as breaks when appropriate. If you are testing with an approved accommodation, these announcements may differ from the timing and breaks listed in this translated document. Please listen carefully to the announcements read by your proctor.
- If you are testing with approved accommodations, your proctor may give you additional directions in English.
- Icons are used throughout this document to draw your attention to specific information:



Important information



Directions spoken by your proctor



Directions found in your test book

1 Standard SAT Script

1.1 Before the Test Begins

Your proctor will begin by saying:



Good morning. Today you are going to take the SAT. This is your chance to show how prepared you are for college and career.

If you have questions about any of the instructions I give you, please ask them, so that you can be sure of doing your best. If you are using printed directions that are translated, open the booklet now to follow along as I give instructions.

In this room, you will be taking the test that I have posted on the board.

Then your proctor will say:



The College Board has designed policies to give each of you an equal opportunity to show your skills and knowledge. We will dismiss and cancel the scores of anyone who tries to gain an unfair advantage by:

- Giving or receiving help of any kind on the test


- Looking through the test book before the start of the test
- Working on the wrong section or looking at a previous or future section of the test book or answer sheet
- Using a calculator during a non-calculator section
- Marking answers after time is called
- Sharing test questions or answers with anyone during or after the test
- Using any unauthorized testing aids, including phones, during testing or on breaks
- Attempting to take the test for someone else

You may also be dismissed for:


- Eating or drinking during testing (unless this has been approved as an accommodation—otherwise, eating and drinking are only permitted during breaks)
- Causing a disturbance of any kind or distracting other students
- Going to your locker or leaving the building during breaks

You will have until 11:59 p.m. Eastern Time on the fourth weekday from the end of the test to file a test day complaint. If you see any behavior that causes you concern, please notify the test coordinator, who will explain how to contact the College Board. Are there any questions?


If your school has collected students' personal belongings, your proctor will say:

-  By this time you should have turned in all phones, or any other electronic devices. If anyone still has an electronic device of any kind, please disable any alarms, power it off, and turn it in to me now, and it will be returned to you at the end of the test.


If your school has NOT collected students' personal belongings, your proctor will say:

-  At this time, if you have a phone, or any other electronic device in your possession, you must disable any alarms, completely power it off, and put it away under your desk until the test is over. Any electronic device that is not turned off and put away may be confiscated and its contents inspected as part of a thorough investigation.


Then your proctor will say:

-  Now we're going to prepare to start the test.
 - Remove everything from your desk except your pencils and acceptable calculator.
 - If you brought a backup calculator or extra batteries, get those out and put them on the floor under your desk.
 - Place any water bottles and snacks under your desk. Close all bags and backpacks and put them under your desk until the test is over.

When all students are ready, your proctor will say:


-  I will take a moment now to look around and make sure you are using acceptable calculators.

Then your proctor will say:


-  You may not share or exchange calculators at any time. Put your calculator under your desk now. You will not need it until a later section.

1.2 Answer Sheet Distribution


If you are using large-block answer sheets, your proctor will say:

-  If you are using a large-block answer sheet, read the instructions on the front page of your answer sheet now. Your page numbers will be different from those I announce, but the field numbers will be the same as the field numbers I give for everyone. You'll mark the squares with an X instead of filling in bubbles.

After distributing answer sheets, your proctor will say:


-  These are the answer sheets that you will use to mark your answers on the test.

If you have a populated answer sheet from a preadministration session, your proctor will say:


-  Please check to make sure your correct legal name and date of birth appear on the answer sheet. Raise your hand if you have the wrong answer sheet.

If your answer sheet has a label, ensure that it is correct. If you find any errors, raise your hand.

*If everyone has completed the required fields, your proctor will skip to **Test Book Distribution** on page 6. If you or other students need to fill out required fields on the answer sheet, your proctor will say:*

-  In field 1, fill in your legal last name, first name, and middle initial, if you have one. This is on page 2 if you are using a large-block answer sheet. Include spaces, hyphens, or apostrophes if these are part of your name. Print the letters in all caps in the fields, then fill in the corresponding bubbles. Make sure each mark is dark and completely fills the bubble. Look up when you're done. If your answer sheet has a label, please check that it is correct. If you find any errors, raise your hand and I will give you a replacement answer sheet.


For fields 2-4, your proctor will say:

-  Find field 2. Raise your hand if you do not attend this school, and I will come over and help you answer the questions about testing location and school. Everyone else, fill in the bubble for "Yes," and then in field 3, print our school's name, city, and state. You may leave the country line blank. Look up when you are done.


In field 4, print our six-digit school code that I've posted on the board and fill in the corresponding bubbles. This is on page 3 if you are using a large-block answer sheet. Look up when you are done.

If you are homeschooled, your proctor will tell you to fill in the bubble for "No, I am homeschooled" and to enter "970000" in field 4. If you attend a different school, your proctor will tell you to fill in the bubble for "No, this is not the school I regularly attend," then complete their school information in field 3.


For field 5, your proctor will say:

-  In field 5, print and bubble in your student ID number, starting with the first column to the left. If there are letters in your ID number, skip them and only enter the numerals. If you don't know your student ID number, or don't want to give it, leave field 5 blank. Look up when you're done.

For field 6, your proctor will say:

-  In field 6, fill in the bubble for your current grade.

For field 7, your proctor will say:

-  In field 7, fill in all three parts of your date of birth. Any two-digit fields need to start with a zero if the number is less than 10. Fill in only the last two digits of the year you were born. Raise your hand if you have any questions.

For field 8, your proctor will say:

-  Mark the correct bubble in field 8.


1.3 Test Book Distribution

When all students are ready, your proctor will say:

-  I will now distribute your test books. Do not open them until I tell you to.

See “Front Cover Directions” at the end of this section for a translation of the front cover.

Then your proctor will say:


-  Check to see that the test book is for the version of the SAT that I have listed on the board—SAT or SAT with Essay.

When you get the test book, turn it over and print your last name, first name, and middle initial, if you have one.

Then print this school’s code _____, school name _____, and this room number (or name) _____.


See “Back Cover Directions” at the end of this section for a translation of the back cover.

Then your proctor will say:

-  Now read the back cover. It has important information about marking answers and scoring. When you have finished reading, please look up.


Are there any questions about what you just read?

After all questions have been answered, your proctor will say:


-  The following instructions are critical to the scoring of your test. If you don’t follow my directions exactly, you may not receive a score. Listen carefully.

Make sure you are using a No. 2 pencil and that you fill in the bubbles darkly and completely on the answer sheet. If you change your response, erase it as completely as possible. Avoid making stray marks, and do not use your answer sheet for scratch work. You cannot use a mechanical pencil.


For the “Form Code” field, your proctor will say:

-  On the back cover of your test book, find the field labeled “Form Code.” Copy the letters and numbers onto field A on the back of your answer sheet exactly as shown on the back of your test book and fill in the bubbles. If you are using a large-block answer sheet, this is on page 16.


For the “Test ID field”, your proctor will say:

-  Now find the field labeled “Test ID.” Copy the number onto your answer sheet in field B.


For the “Test Book Serial Number” field, your proctor will say:

-  Look at the front cover of your test book. Find the number in the upper right corner labeled “Test Book Serial Number” and enter it into field C on your answer sheet. Fill in the corresponding bubbles.

To all students, your proctor will say:


-  Take a moment to ensure that the Form Code, Test ID, and Test Book Serial Number fields are completed correctly. It is critical that you enter the correct codes on your answer sheet. Otherwise, you may not receive scores.

For the Testing Room Code, your proctor may say:


-  In field D on your answer sheet, fill in the three-digit testing room code I have posted for you.

OR


For the Testing Room Code, your proctor may say:

-  Leave field D blank on your answer sheet.

For the “Test Type” field, your proctor will say:

-  In field E, bubble in the test that you are taking today, which I have posted for you.

To all students, your proctor will say:

-  If you finish before time is called, you may check your work on this section, but you may not turn to any other section. You may use the test book for scratch work, but you must mark your answers on the answer sheet unless you are approved to mark them in your test book. After time has been called, you may not transfer answers from your test book to your answer sheet or fill in empty bubbles.

During testing, keep your answer sheet and test book flat in the center of your desk. If you find something wrong with your answer sheet or test book, such as a missing page, or if you realize that you have been writing answers in the wrong section of your answer sheet, raise your hand.

Finally, answer sheets and test books must never be removed from the testing room.

I will walk around the room to check your progress. I will also keep the official time for the test. You will have breaks during the test when you can leave this room to have a snack or use the restroom.

Remember, after the test has ended, no one may leave the room until I dismiss you. If you have any questions about testing procedures, please ask them now. I cannot answer questions during the timed sections of the test.

1.3.1 *Front Cover Directions*



The following is a translation of the front cover of your test book.

IMPORTANT REMINDERS

1. A No. 2 pencil is required for the test. Do not use a mechanical pencil or pen.
2. Sharing any questions with anyone is a violation of Test Security and Fairness policies and may result in your scores being canceled.

THIS TEST BOOK MUST NOT BE TAKEN FROM THE ROOM. UNAUTHORIZED REPRODUCTION OR USE OF ANY PART OF THIS TEST BOOK IS PROHIBITED.

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1.3.2 Back Cover Directions



The following is a translation of the back cover of your test book. When instructed, you should write on the test book or the answer sheet, not this document of translations.

YOUR NAME (PRINT) _____

LAST

FIRST

MI

SCHOOL _____

NUMBER

NAME OF SCHOOL

ROOM NUMBER

The SAT

GENERAL DIRECTIONS

- You may work on only one section at a time.
- If you finish a section before time is called, check your work on that section. You may NOT turn to any other section.

MARKING ANSWERS

- Be sure to mark your answer sheet properly.

Complete Mark:



Incomplete Marks:



- You must use a No. 2 pencil.
- Carefully mark only one answer for each question.
- Make sure you fill the entire bubble darkly and completely.
- Do not make any stray marks on your answer sheet.
- If you erase, do so completely. Incomplete erasures may be scored as intended answers.
- Use only the answer spaces that correspond to the question numbers.

USING YOUR TEST BOOK

- You may use the test book for scratch work, but you will not receive credit for anything that you write in your test book.
- After time has been called, you may not transfer answers from your test book to your answer sheet or fill in bubbles.
- You may not fold or remove pages or portions of a page from this book, or take the book or answer sheet from the testing room.

SCORING

- For each correct answer, you receive one point.
- You do not lose points for wrong answers; therefore, you should try to answer every question even if you are not sure of the correct answer.

IMPORTANT

The codes below are unique to your test book. Copy them on your answer sheet in boxes A and B and fill in the corresponding bubbles exactly as shown.

A		Form Code				
A	B	C	D	1	2	3
<input type="radio"/>	A	A	A	0	0	0
<input type="radio"/>	B	B	B	1	1	1
<input type="radio"/>	C	C	C	2	2	2
<input type="radio"/>	D	D	D	3	3	3
<input type="radio"/>	E	E	E	4	4	4
<input type="radio"/>	F	F	F	5	5	5
<input type="radio"/>	G	G	G	6	6	6
<input type="radio"/>	H	H	H	7	7	7
<input type="radio"/>	I	I	I	8	8	8
<input type="radio"/>	J	J	J	9	9	9
<input type="radio"/>	K	K	K			
<input type="radio"/>	L	L	L			
<input type="radio"/>	M	M	M			
<input type="radio"/>	N	N	N			
<input type="radio"/>	O	O	O			
<input type="radio"/>	P	P	P			
<input type="radio"/>	Q	Q	Q			
<input type="radio"/>	R	R	R			
<input type="radio"/>	S	S	S			
<input type="radio"/>	T	T	T			
<input type="radio"/>	U	U	U			
<input type="radio"/>	V	V	V			
<input type="radio"/>	W	W	W			
<input type="radio"/>	X	X	X			
<input type="radio"/>	Y	Y	Y			
<input type="radio"/>	Z	Z	Z			

B		Test ID						
1	2	3	4	5	6	7		

Ideas contained in passages for this test, some of which are excerpted or adapted from published material, do not necessarily represent the opinions of the College Board.

DO NOT OPEN THIS BOOK UNTIL THE PROCTOR TELLS YOU TO DO SO.

1.4 Section 1 — Reading Test



The standard time for Section 1 is **65 minutes**, with a **10-minute break** at the end of the section. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your proctor.

A translation of the test book directions appears following the translated spoken directions.

When all students are ready, your proctor will say:



Once we begin, you will have 65 minutes to work on Section 1, the Reading Test. We will take a short break when this section is finished. Please keep your calculator under your desk; you won't need it for this section.

Make sure you are using a No. 2 pencil and that you fill in the entire bubble for your answer darkly and completely. If you change your response, erase it as completely as possible. If you finish before time is called, you may check your work in this section, but you may not turn to any other section.

Remember that you receive points for correct answers, but you don't lose points for incorrect answers. That means you should try to answer every question, even if you're not sure of the correct answer.

Please find Section 1 on your answer sheet. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 1. Now, open your test book to Section 1, read the directions, and begin work. Time starts now. Good luck.

After 30 minutes, your proctor will say:



You have 35 minutes remaining in this section.

After 60 minutes, your proctor will say:



You have 5 minutes remaining in this section.

After exactly 65 minutes, your proctor will say:



Stop work and put your pencil down. Close your answer sheet and place it inside the front of your test book. Close your test book and leave it on your desk. We'll take a break now for 10 minutes.

If you brought a snack, you may eat it in designated areas only. Don't go anywhere other than designated areas, the hallway, or the restroom. Don't talk in the hallway or discuss the test questions with anyone. Be considerate of those in other rooms.

We will start testing again in exactly 10 minutes.


If your school did NOT collect your personal belongings, your proctor will say:




You may not use a phone or any other electronic device on this break or any other break during the test. Any phones or other devices must remain turned off and put away under your desk.

1.4.1 During the Break

At the end of the break, your proctor will say:

 Please take your seat.

1.4.2 Section 1 Test Book Directions

 The following is a translation of the directions found at the beginning of Section 1 of your test book.

65 MINUTES, 52 QUESTIONS (STANDARD TIME)


Turn to Section 1 of your answer sheet to answer the questions in this section.

DIRECTIONS

Each passage or pair of passages below is followed by a number of questions. After reading each passage or pair, choose the best answer to each question based on what is stated or implied in the passage or passages and in any accompanying graphics (such as a table or graph).

1.4.3 Certification Statement

When all students are ready, your proctor will say:


 When you submit your answer sheet, you are agreeing that you will not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including but not limited to email, text messages, or the internet. These conditions are spelled out in the *SAT School Day Student Guide* and online at sat.org.

Take out your answer sheet, but leave your test book closed. Turn to the back of your answer sheet, and find the Certification Statement. After reading the paragraph of terms at the bottom, copy the statement in your usual handwriting style—print or cursive is fine. Then sign your full name as you would on an official document. Next to your signature, enter today’s date. Look up when you are done.

The following is a translation of the Certification Statement on the back of your answer sheet. Copy the statement in English, not the translation given here.


I confirm I am the person listed on the answer sheet and pledge to follow the test security and fairness policies as described in the test guidelines.

1.5 Section 2—Writing and Language Test

 The standard time for Section 2 is **35 minutes**. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your proctor.

A translation of the test book directions appears following the translated spoken directions.


When everyone is ready, your proctor will say:

 Once we begin, you will have 35 minutes to work on Section 2, the Writing and Language Test. If you finish before time is called, you may check your work on this section, but you may not turn to any other section. Please keep your calculator under your desk; you won’t need it for this section.


Keep your answer sheet and test book flat on your desk.

Now find Section 2 on your answer sheet. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 2. Open your test book to Section 2, read the directions, and begin work. Time starts now.


After 15 minutes, your proctor will say:

 You have 20 minutes remaining in this section.

After 30 minutes, your proctor will say:


 You have 5 minutes remaining in this section.

After exactly 35 minutes, your proctor will say:

 Stop work and put your pencil down.

Place your answer sheet on the page in your test book where you stopped working. Close your test book.

1.5.1 Section 2 Test Book Directions

 The following is a translation of the directions found at the beginning of Section 2 of your test book.

35 MINUTES, 44 QUESTIONS (STANDARD TIME)

Turn to Section 2 of your answer sheet to answer the questions in this section.


DIRECTIONS

Each passage below is accompanied by a number of questions. For some questions, you will consider how the passage might be revised to improve the expression of ideas. For other questions, you will consider how the passage might be edited to correct errors in sentence structure, usage, or punctuation. A passage or a question may be accompanied by one or more graphics (such as a table or graph) that you will consider as you make revising and editing decisions.

Some questions will direct you to an underlined portion of a passage. Other questions will direct you to a location in a passage or ask you to think about the passage as a whole.


After reading each passage, choose the answer to each question that most effectively improves the quality of writing in the passage or that makes the passage conform to the conventions of standard written English. Many questions include a “NO CHANGE” option. Choose that option if you think the best choice is to leave the relevant portion of the passage as it is.

1.6 Section 3—Math Test – No Calculator

 The standard time for Section 3 is **25 minutes**, with a **5-minute break** at the end of the section. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your proctor.

A translation of the test book directions appears following the translated spoken directions.

When all students are ready, your proctor will say:

-  Once we begin, you will have 25 minutes to work on Section 3, the Math Test without Calculator. We will take a short break when this section is over.


Although this is a math section, you are not allowed to use a calculator on this portion of the test and must keep your calculator under your desk unless you have an approved accommodation to use a four-function calculator.

Directions for how to grid your answer to the questions labeled “Student-Produced Responses” are in your test book. These student-produced answers may be shorter, but not longer, than four characters. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 3.


If you finish before time is called, you may check your work in this section, but you may not turn to any other section.

Please open your test book and take out your answer sheet. Keep your answer sheet and test book flat on your desk. Find Section 3 on your answer sheet. Now turn to Section 3 in your test book, read the directions, and begin work. Time starts now.


After 10 minutes, your proctor will say:

-  You have 15 minutes remaining in this section.

After 20 minutes, your proctor will say:

-  You have 5 minutes remaining in this section.


After exactly 25 minutes, your proctor will say:

-  Stop work and put your pencil down.

Put your answer sheet on the page in your test book where you stopped working. Close your test book, and leave it on your desk. We’ll take a break now for 5 minutes. If you brought a snack, you may eat it in designated areas only. As before, don’t go anywhere other than designated areas, the hallway, or the restroom. Don’t talk in the hallway or discuss the test questions with anyone. Be considerate of those in other rooms. We’ll start testing again in exactly 5 minutes.

1.6.1 During the Break

At the end of the break, your proctor will say:

-  Please take your seat.

1.6.2 Section 3 Test Book Directions



The following is a translation of the directions found at the beginning of Section 3 of your test book.

25 MINUTES, 20 QUESTIONS (STANDARD TIME)

Turn to Section 3 of your answer sheet to answer the questions in this section.

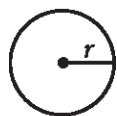
DIRECTIONS

For questions 1-15, solve each problem, choose the best answer from the choices provided, and fill in the corresponding bubble on your answer sheet. For questions 16-20, solve the problem and enter your answer in the grid on the answer sheet. Please refer to the directions before question 16 on how to enter your answers in the grid. You may use any available space in your test booklet for scratch work.

NOTES

1. The use of a calculator is **not permitted**.
2. All variables and expressions used represent real numbers unless otherwise indicated.
3. Figures provided in this test are drawn to scale unless otherwise indicated.
4. All figures lie in a plane unless otherwise indicated.
5. Unless otherwise indicated, the domain of a given function f is the set of all real numbers x for which $f(x)$ is a real number.

REFERENCE

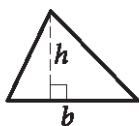


$$A = \pi r^2$$

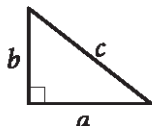
$$C = 2\pi r$$



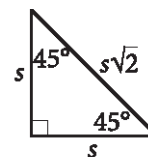
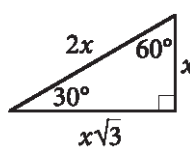
$$A = \ell w$$



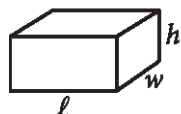
$$A = \frac{1}{2}bh$$



$$c^2 = a^2 + b^2$$



Special Right Triangles



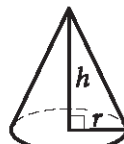
$$V = \ell wh$$



$$V = \pi r^2 h$$



$$V = \frac{4}{3}\pi r^3$$



$$V = \frac{1}{3}\pi r^2 h$$



$$V = \frac{1}{3}\ell wh$$

The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is 2π .

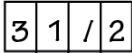
The sum of the measures in degrees of the angles of a triangle is 180.

DIRECTIONS

For questions 16-20, solve the problem and enter your answer in the grid, as described below, on the answer sheet.

- Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the bubbles accurately. You will receive credit only if the bubbles are filled in correctly.
- Mark no more than one bubble in any column.
- No question has a negative answer.
- Some problems may have more than one correct answer. In such cases, grid only one answer.

- Mixed numbers** such as $3\frac{1}{2}$ must be gridded

as 3.5 or 7/2. (If  is entered into the grid, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)

- Decimal answers:** If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid.

Answer: $\frac{7}{12}$

Write answer in boxes. →

7	/	1	2
•	•	/	•
•	•	•	•
0	0	0	0
1	1	•	1
2	2	2	•
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
•	7	7	7
8	8	8	8
9	9	9	9

← Fraction line

Grid in result.

Answer: 2.5

	2	.	5
•	/	/	•
•	•	•	•
0	0	0	0
1	1	1	1
2	•	2	2
3	3	3	3
4	4	4	4
5	5	5	•
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

← Decimal point

Acceptable ways to grid $\frac{2}{3}$ are:

	2	/	3
•	/	•	•
•	•	•	•
0	0	0	0
1	1	1	1
2	•	2	2
3	3	3	•
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8

.	6	6	6
•	/	/	•
•	•	•	•
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	•	•	•
7	7	7	7
8	8	8	8

.	6	6	7
•	/	/	•
•	•	•	•
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	•	•	6
7	7	7	•
8	8	8	8

Answer: 201 – either position is correct

	2	0	1
•	/	/	•
•	•	•	•
0	•	0	0
1	1	1	•
2	•	2	2
3	3	3	3

2	0	1	
•	/	/	•
•	•	•	•
•	•	0	0
1	1	•	1
•	2	2	2
3	3	3	3

NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.

1.7 Section 4—Math Test – Calculator



The standard time for Section 4 is **55 minutes**. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your proctor.

A translation of the test book directions appears following the translated spoken directions.

When all students are ready, your proctor will say:



Once we begin, you will have 55 minutes to work on Section 4, the Math Test with Calculator.

You may use a calculator for this section. Please take your calculator out now and place it in the center of your desk.

When using a calculator, follow these guidelines:

- Keep it flat on your desk or hold it so that other students can't view your work.
- Do not share or exchange your calculator.
- If you brought a backup calculator or batteries, keep them on the floor underneath your desk.
- If your calculator malfunctions and you have batteries or a backup calculator, raise your hand. I will see if your substitute is acceptable. If you do not have a backup, continue to test. All math questions can be answered without a calculator.

Directions for how to grid your answer to the questions labeled “Student-Produced Responses” are in your test book. These student-produced answers can be shorter, but not longer, than four characters. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 4.

If you finish before time is called, you may check your work on this section, but you may not turn to any other section.

Please open your test book and take out your answer sheet. Keep your answer sheet and test book flat on your desk. Find Section 4 on your answer sheet. Now turn to Section 4 in your test book, read the directions, and begin work. Time starts now.

After 25 minutes, your proctor will say:



You have 30 minutes remaining in this section.

After 50 minutes, your proctor will say:



You have 5 minutes remaining in this section.

After exactly 55 minutes, your proctor will say:



Stop work and put your pencil down. Close your test book and answer sheet. Place your answer sheet next to your test book.

When everyone is ready, your proctor will say:




Place your calculator under your desk. We'll take a break now to stretch for 2 minutes. You may not leave the room or discuss test questions.


1.7.1 During the Break

If you are taking the SAT with no Essay, your proctor will skip to “After the Test.”

At the end of the break, your proctor will say:

-  Please take your seat. I will now collect your test books. You’ll need to keep your answer sheet for the Essay section of the test. Please sit quietly while I collect and count the test books.

1.7.2 Section 4 Test Book Directions

 The following is a translation of the directions found at the beginning of Section 4 of your test book.

55 MINUTES, 38 QUESTIONS (STANDARD TIME)

Turn to Section 4 of your answer sheet to answer the questions in this section.

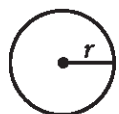
DIRECTIONS

For questions 1–30, solve each problem, choose the best answer from the choices provided, and fill in the corresponding bubble on your answer sheet. For questions 31–38, solve the problem and enter your answer in the grid on the answer sheet. Please refer to the directions before question 22 on how to enter your answers in the grid. You may use any available space in your test booklet for scratch work.

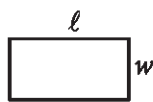
NOTES

- The use of a calculator is permitted.
- All variables and expressions used represent real numbers unless otherwise indicated.
- Figures provided in this test are drawn to scale unless otherwise indicated.
- All figures lie in a plane unless otherwise indicated.
- Unless otherwise indicated, the domain of a given function f is the set of all real numbers x for which $f(x)$ is a real number.

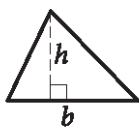
REFERENCE



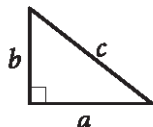
$$A = \pi r^2$$
$$C = 2\pi r$$



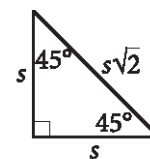
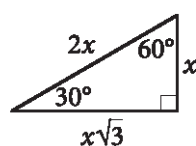
$$A = \ell w$$



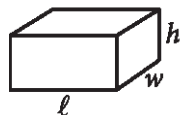
$$A = \frac{1}{2}bh$$



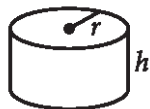
$$c^2 = a^2 + b^2$$



Special Right Triangles



$$V = \ell wh$$



$$V = \pi r^2 h$$



$$V = \frac{4}{3}\pi r^3$$



$$V = \frac{1}{3}\pi r^2 h$$



$$V = \frac{1}{3}\ell wh$$

The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is 2π .

The sum of the measures in degrees of the angles of a triangle is 180.

DIRECTIONS

For questions 31-38, solve the problem and enter your answer in the grid, as described below, on the answer sheet.

- Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the bubbles accurately. You will receive credit only if the bubbles are filled in correctly.
- Mark no more than one bubble in any column.
- No question has a negative answer.
- Some problems may have more than one correct answer. In such cases, grid only one answer.
- Mixed numbers** such as $3\frac{1}{2}$ must be gridded as

3	1	/	2
---	---	---	---

 3.5 or 7/2. (If

		/	
--	--	---	--

 is entered into the grid, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)
- Decimal answers:** If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid.

Answer: $\frac{7}{12}$

Write answer in boxes. →

7	/	1	2
•	•	/	•
•	•	•	•
0	0	0	0
1	1	•	1
2	2	2	•
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
•	7	7	7
8	8	8	8
9	9	9	9

← Fraction line

Grid in result.

Answer: 2.5

	2	.	5
•	/	/	•
•	•	•	•
0	0	0	0
1	1	1	1
2	•	2	2
3	3	3	3
4	4	4	4
5	5	5	•
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

← Decimal point

Acceptable ways to grid $\frac{2}{3}$ are:

	2	/	3
•	/	•	•
•	•	•	•
0	0	0	0
1	1	1	1
2	•	2	2
3	3	3	•
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8

.	6	6	6
•	/	/	•
•	•	•	•
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	•	•	•
7	7	7	7
8	8	8	8

.	6	6	7
•	/	/	•
•	•	•	•
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	•	•	6
7	7	7	•
8	8	8	8

Answer: 201 – either position is correct

	2	0	1
•	/	/	•
•	•	•	•
0	•	0	0
1	1	1	•
2	•	2	2
3	3	3	3

2	0	1	
•	/	/	•
•	•	•	•
•	•	0	0
1	1	•	1
•	2	2	2
3	3	3	3

NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.

1.8 SAT Essay



The standard time for the SAT Essay is **50 minutes**. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your proctor.

A translation of the statement about using your essay (on the answer sheet) and the Essay book directions appears following the translated spoken directions.

To all students, your proctor will say:



I will now give an Essay book to each of you. Don't open your Essay book until I tell you to do so.

Then your proctor will give you your school's code number, name, and room number or name, as follows:



When you receive your Essay book, turn it over and print your last name, first name, and middle initial, if you have one. Then print this school's code number _____, school name _____, and this room number (or name) _____.

Next, your proctor will say:



Now, open your answer sheet to page 6. If you are using a large-block answer sheet, open to page 30. On the back of your Essay book, find the Essay Code. Copy the Essay Code into the field on your answer sheet exactly as it appears on the back of your Essay book. This field must be correctly filled in, or your essay might not be scored.

Keep your answer sheet open to this page, and take a moment to read the statement about the use of your essay; then decide whether or not to mark the bubble (or square). When you've finished reading, please look up.

When all students have an Essay book, your proctor will say:



Once we begin, you'll have 50 minutes to work on the SAT Essay. You may make notes and plan your essay on the unlined Planning Page, but anything written there will not be scored. When you're ready, you'll need to start writing your essay on the first lined page, which says "Begin Your Essay Here." You must write your essay on the appropriate answer sheet pages and within the marked margins. Don't keep writing past the word "STOP" on the last lined page, because anything written past that point will not be scored. No extra pages are allowed. You must write your essay using a No. 2 pencil. If you don't use a No. 2 pencil, your essay will appear blank. If you leave the essay blank, you will receive an Essay score of zero.

Then your proctor will say:



Read the directions on your Essay book cover, and then open your Essay book and begin work. Time starts now.

After 25 minutes have elapsed, your proctor will say:




You have 25 minutes remaining in this section.

After 45 minutes, your proctor will say:



You have 5 minutes remaining in this section.

After exactly 50 minutes, your proctor will say:

-  Stop work and put your pencil down. Close your answer sheet and your Essay book. Place your answer sheet next to your Essay book.

1.8.1 Essay Book Directions



The following is a translation of the directions found on the front cover of your Essay book.

DIRECTIONS

The essay gives you an opportunity to show how effectively you can read and comprehend a passage and write an essay analyzing the passage. In your essay, you should demonstrate that you have read the passage carefully, present a clear and logical analysis, and use language precisely.

Your essay must be written on the lines provided in your answer booklet; except for the Planning Page of the answer booklet, you will receive no other paper on which to write. You will have enough space if you write on every line, avoid wide margins, and keep your handwriting to a reasonable size. Remember that people who are not familiar with your handwriting will read what you write. Try to write or print so that what you are writing is legible to those readers.

You have 50 minutes to read the passage and write an essay in response to the prompt provided inside this booklet.


THIS TEST BOOK MUST NOT BE TAKEN FROM THE ROOM.
UNAUTHORIZED REPRODUCTION OR USE OF ANY PART OF
THIS TEST BOOK IS PROHIBITED.

REMINDERS

- Do not write your essay in this booklet. Only what you write on the lined pages of your answer booklet will be evaluated.
- An off-topic essay will not be evaluated

2 After the Test

To all students, your proctor will say:

-  Congratulations—you just finished the test! Before I collect your test materials, please turn over your answer sheet and check that you have filled in the form code in field A (on page 16 if you're using a large-block answer sheet). This form code is required for scoring your test. Please raise your hand if you need help completing the field.

Then your proctor will say:


-  I will now collect your test materials. Please sit quietly until I dismiss you.

2.1 Completing the Answer Sheets


If you have completed the personal information on your answer sheet, your proctor will collect your answer sheet and skip to “Before Student Dismissal.”

If you have not completed the personal information on your answer sheet, or if your personal information is filled in but you want to change your choices of where to send your scores in field 14, your proctor will ask you to sit quietly while other students are dismissed.


When students are ready, your proctor will say:

-  As part of SAT School Day, you will now have a chance to answer some questions about yourself and your college plans and to select up to four places or programs to send your scores to.


For fields 9-13, your proctor will say:

-  If you have a label on your answer sheet, check to see if the address printed on it is correct. If it is, don't make marks in fields 9 to 13. If you have no label or the address is incorrect, turn to page 2 (or page 4 in the large-block answer sheet), and fill in your address in fields 9 through 12. Leave field 13 blank. Raise your hand if you have any questions. Look up when you're done.


For field 14, your proctor will say:

-  We will come back to field 14 in a few minutes. Leave it blank for now.


For field 15, your proctor will say:

-  Turn to page 3 (or stay on page 5 if using a large-block answer sheet). Field 15 asks if you would like to opt in to Student Search Service. This service can help you connect with opportunities. Saying "Yes" to this service allows colleges, scholarship programs, and other organizations to send you information about the educational and financial aid opportunities they offer. Nonprofit educational organizations that request it will receive information you provide on the answer sheet, but they will not receive your actual test scores or phone number. There is more information about the Student Search Service in your *Student Answer Sheet Instructions*. If you do not answer and previously chose to participate in this service, the College Board will continue providing your information. Please make your selection.

For field 16, your proctor will say:

-  If you'd like to get information from the College Board via email, including information about your scores once they become available online, write in your email address and fill in the corresponding bubbles in field 16. Indicate at the top of the field whether this is your own email address or a parent or guardian's address. If you give your own email address (not a parent's or guardian's) and opted in to Student Search Service in field 15, you may get information from colleges sent to your email address.


To all students, for field 17, your proctor will say:

-  Field 17 asks for your U.S. mobile number. Only U.S. mobile numbers are accepted. Please review the document I gave you about the Mobile Opt-In Policies before deciding whether to give your number. You will be able to take this document home with you for later reference. By providing your number, you agree to receive text messages from the College Board about the SAT, to participate in research surveys, and to get free information on college planning services. You may opt out at any time. The College Board will not share your phone number with other organizations.


If you agree to these terms, enter your phone number. Please look up when you're done.

2.2 Before Dismissing Students


When all students' materials have been accounted for, your proctor will say:

-  Remember, you should not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including email, text messages, or the internet.

To students in the SAT Essay room, your proctor will say:


-  In addition, you are not permitted to discuss or share today's essay question until after the essay is available online.

Then your proctor will say:


-  Now listen to this important information. If you wish to cancel your scores before you leave, ask me for a Request to Cancel Test Scores form, which you must complete before you leave the room. To cancel your scores later, you must notify the College Board in writing no later than 11:59 p.m. Eastern Time on the fourth weekday from today.

Send your signed cancellation request by overnight mail or fax. You cannot cancel your scores with an email message or phone call.

If your school has collected students' personal belongings, your proctor will say:

-  This test administration is now over. As you prepare to leave, please come up and retrieve your personal belongings that I collected from you earlier. Once you have all your belongings, you may exit the room quietly. Please keep in mind that students in other rooms may still be testing. Congratulations again and thank you for your participation and for all of your hard work.

If your school has NOT collected students' personal belongings, your proctor will say:

-  This test administration is now over. Gather your belongings, and exit the room quietly. Please keep in mind that students in other rooms may still be testing. Congratulations again and thank you for your participation and for all of your hard work.