



Kaplan Digital SAT[®] Study Guide

About the Test

Length	2 hours and 14 minutes
Reading and Writing Section	2 modules, each module has 27 questions and is 32 minutes long
Math Section	2 modules, each module has 22 questions and is 35 minutes long
Scoring	200-800 for each section 400-1600 composite score

- Your performance on the first module of each section determines the difficulty of the second module.
- There is a 10-minute break between the Reading and Writing Section and the Math Section.
- The test is administered through a computer application called Bluebook. Download the app at <https://bluebook.app.collegeboard.org/>. You may take the test on your own laptop or tablet, a device owned by your school, or request to borrow a device from College Board before test day. There is no fee to borrow a device. It is your responsibility to arrive at the testing location with the app downloaded and your device fully charged.
- There is no essay on the Digital SAT.

Test-Taking Tips

1. You can move around within each module during the allotted time. Start with questions you know how to answer easily and quickly and guess on questions that you are unsure about. You'll raise your score by getting every question you **can** answer correctly.
2. Flag questions you want to review with the mark tool and come back to them only after you have finished all the questions you know in that section.
3. Answer every question—don't leave anything blank. Use the same letter to guess on questions you choose not to work on. The Digital SAT does not have a wrong answer penalty.
4. Use elimination if you have time and can't figure out a question. Even if you still guess, you're more likely to get a question correct when choosing from two or three choices rather than four.
5. Focus on doing your best on the question in front of you. Don't try to guess how you're scoring, for example, if the second module seems easier or harder than the first.
6. Use scratch paper to take notes and organize your thoughts.
7. You will have access to an online graphing calculator for every math question. Practice with it regularly at <https://www.desmos.com/testing/cb-digital-sat/graphing>.

Getting Started

Download the Bluebook app and practice with it until you are comfortable with the test interface.

If you haven't taken an SAT practice test in the past two weeks, do that first to see where your strengths and weaknesses are so you know what to focus on. Consider your test date as you build your study schedule.

If you only have a week or two to study, focus on your strengths and frequently tested concepts.

- In Math, these are linear equations and algebra.
- In Reading and Writing, these are sentence structure and punctuation rules.

If you have three or more weeks, focus on your areas of opportunity.

- Determine which section(s) you need to improve and how many points you need to reach your goal score.
- Identify the three topics where you missed the most questions in each section and start reviewing them.
- Take practice tests at regular intervals to track your progress and help you adjust your plan.

Create a Study Schedule

Use a calendar to make a personalized study schedule for the Digital SAT.

Step #1: Write in all of your non-test commitments first: school, work, sports, and any other scheduled outings with friends, etc.

Step #2: Write in your test prep class times.

Step #3: Select your break day (i.e., the day you take completely off from studying for the test).

Step #4: Finally, write in blocks of time to study for the test.

	Sun 2	Mon 3	Tue 4	Wed 5	Thu 6	Fri 7	Sat 8
7am							
8am		School	School	School	School	School	
9am							Work
10am							
11am							
12pm							
1pm							
2pm	SAT Studying						
3pm			Practice	Homework	Practice		*SAT CLASS*
4pm				Work			
5pm		Work					
6pm					Homework	GAMEDAY	
7pm							Movie Night
8pm			Homework		SAT Studying		
9pm			SAT Studying				
10pm		Homework					
11pm							

Digital SAT Reading and Writing Section

Time Allotted	64 minutes (two 32-minute modules)
Number of Questions	27 questions per module, 54 total
Question Types	Central Ideas and Details, Command of Evidence, Inferences, Words in Context, Cross-Text Connections, Text Structure and Purpose, Rhetorical Synthesis, Transitions, Standard English Conventions
Learning Areas	Information and Ideas (12-14 questions) Craft and Structure (13-15 questions) Expression of Ideas (8-12 questions) Standard English Conventions (11-15 questions)
What's New on the Digital SAT Reading and Writing Section	The Digital SAT will feature shorter reading passages, which will be easier and faster to read and analyze. There will be just one question tied to each reading passage. There is no essay on the exam.

Kaplan Method for Reading and Writing

Step 1:

What is the question asking?

Standard English Conventions questions
ONLY: look at the answer choices for clues

Step 2:

What do I need to look for in the passage?

Step 3:

What answer strategy is best?

- Predict & match
- Eliminate

Digital SAT Reading and Writing Section

Tips for Reading

- Read the question first and identify the information needed.
- If the question asks about “the conventions of Standard English,” take a quick glance at the choices and identify the issue that is tested.
- Actively read the text, looking for the answer.
- When you are stuck between two or three answer choices, look for clues to help you eliminate incorrect answers. If you have no idea, you should guess.
- Avoid answer choices with extreme language like “always,” “never,” “best,” and “worst.” These are incorrect when they go beyond the author’s beliefs in the passage.

Tips for Standard English Conventions Questions

In the answer choices, when you see...	You should suspect...	Ask yourself...
Commas and FANBOYS conjunctions	A run-on issue	Are there two independent clauses? How should the clauses be properly combined?
Commas and dashes	A parenthetical issue	Is the information essential to the meaning of the sentence? If not, how can I set it off with a pair of matching punctuation marks?
A mix of singular and plural verbs	A subject-verb agreement issue	What is the subject of the missing verb? Is it singular or plural?
Different verb tenses	A verb tense issue	What tense makes logical sense in the context of the text? What tense are the other verbs in the text?

Digital SAT Reading and Writing Section

Tips for Punctuation

Four ways commas are tested on the Digital SAT:

1. To set off three or more items in a series or list
2. To separate independent clauses connected by a FANBOYS (for, and, nor, but, or, yet, so) conjunction
3. To separate an introductory phrase from the rest of the sentence
4. To separate non-essential information from the rest of the sentence

The two ways semicolons are tested:

1. To join two independent clauses when a FANBOYS word is not present
2. To separate items in a series or list if those items already include commas

The only way a colon is tested:

1. To introduce and/or emphasize a short phrase, quotation, explanation, example, or list after an independent clause

The only way a pair of parentheses is tested:

1. To separate non-essential information from the rest of the sentence

The two ways dashes are tested:

1. As a pair, to separate non-essential information from the rest of the sentence when the non-essential information is located in the middle of the sentence
2. Alone, to introduce and/or emphasize a short phrase, quotation, explanation, example, or list after an independent clause

Always have a reason for including punctuation. Some scenarios that require no punctuation include:

- Between a subject and verb
- Between a verb or preposition and its object
- Within a compound
- Essential information

Digital SAT Math Section

Time Allotted	70 minutes (two 35-minute modules)
Number of Questions	22 questions per module, 44 total
Question Types	Multiple-choice & student-produced responses
Learning Areas	Algebra (13-15 questions) Advanced Math (13-15 questions) Problem Solving and Data Analysis (5-7 questions) Geometry and Trigonometry (5-7 questions)
What's New on the Digital SAT Math Section	The Digital SAT will allow you to use a calculator throughout the entire math section. You may use your own calculator or the online graphing calculator provided within the test.

Kaplan Method for Math

Step 1:

What is the question asking?

Step 2:

What does the question tell me?

Step 3:

What strategy is best for me?

- Backsolve
- Pick numbers
- Do the traditional math
- Estimate
- Take a strategic guess

Step 4:

Am I done?

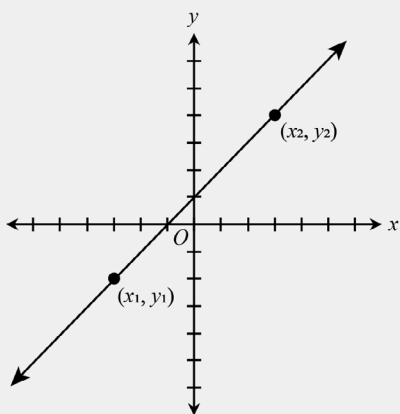
Digital SAT Math Section

Tips for Math Formulas

Geometry formulas are provided within the test interface. Other formulas should be memorized.

ALGEBRA

Linear Graphs



slope-intercept formula: $y = mx + b$

$$m = \text{slope} = \frac{y_1 - y_2}{x_1 - x_2}$$

$b = \text{y-intercept} = (0, b)$

distance formula: $\sqrt{[(y_1 - y_2)^2 + (x_1 - x_2)^2]}$

midpoint formula: midpoint = $[(x_1 + x_2)/2, (y_1 + y_2)/2]$

Quadratics

FOIL (First, Outer, Inner, Last): $(a + b)(c + d) = ac + ad + bc + bd$

quadratic formula: $X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

discriminant: $b^2 - 4ac$

If . . .

- discriminant $> 0 \rightarrow 2$ real solutions
- discriminant $= 0 \rightarrow 1$ real solution
- discriminant $< 0 \rightarrow$ no real solutions

STATISTICS AND PROBABILITY

Percents

percent = part / whole $\times 100\%$

% symbol = divide by 100

$a\%$ of $b = a/100 \times b = a \times b/100$

percent change = change / original

Statistics

average (mean) = sum of terms / number of terms

median = middle number (or average of 2 middle numbers)

mode = most common number

range = biggest - smallest

Probability and Counting Techniques

probability = number of desired terms / total number of terms

$P(\text{event happens}) + P(\text{event doesn't happen}) = 1$

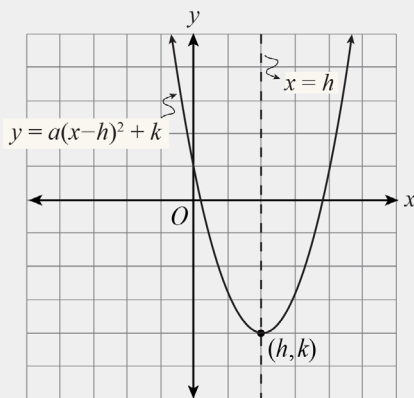
$P(A \text{ and } B) = P(A) \times P(B)$

Digital SAT Math Section

Tips for Math Formulas

Parabolas

Vertex form for a parabola: $y = a(x - h)^2 + k$
 vertex = (h, k)
 axis of symmetry: $x = h$



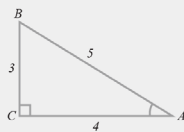
3D Figures

surface area of rectangular prism: $2(\text{length} \times \text{width} + \text{length} \times \text{height} + \text{width} \times \text{height})$

volume of rectangular prism: $V = lwh$
 volume of right cylinder: $V = \pi r^2 h$

Triangles and Trigonometry

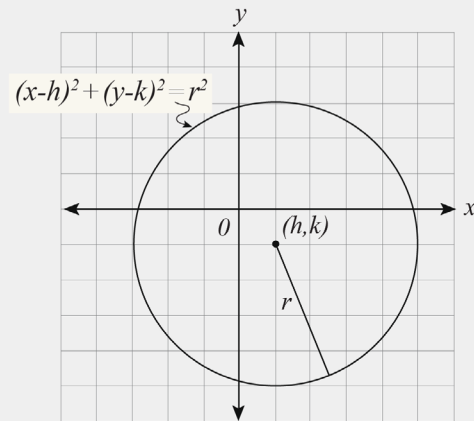
SOH-CAH-TOA:



Sine (sin)	Cosine (cos)	Tangent (tan)
$\frac{\text{opposite}}{\text{hypotenuse}}$	$\frac{\text{adjacent}}{\text{hypotenuse}}$	$\frac{\text{opposite}}{\text{adjacent}}$
$\frac{3}{5}$	$\frac{4}{5}$	$\frac{3}{4}$

$\sin(x) = \text{opposite} / \text{hypotenuse}$
 $\cos(x) = \text{adjacent} / \text{hypotenuse}$
 $\tan(x) = \text{opposite} / \text{adjacent}$
 $\sin^2(x) + \cos^2(x) = 1$
 $\sin(x) = \cos(90 - x)$
 $\cos(x) = \sin(90 - x)$

Circles



radius = r
 $(x - h)^2 + (y - k)^2 = r^2$
 center of circle = (h, k)

For more SAT tips, quizzes, and practice questions, visit us at <https://www.kaptest.com/study/sat/>.