Perfect1600

FREE PRACTICE SET

20 practice questions modeled on the March 14, 2026 SAT

10 Reading and Writing, 10 Math. A mix of easy, medium and hard.

Read our full breakdown of the March 2026 SAT:
perfect1600.com/blog/march-2026-sat-breakdown

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How to use it: give yourself about 1 minute per question. The answers and short explanations are at the back.

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What was on this test

What students told us about the March 14, 2026 SAT.

- The test felt about average. Math Module 2 had a hard ending.
- Length was the main complaint. Two math questions read like reading passages.
- Vocab was the sticking point in Reading. Check which noun the word describes before you pick.
- Data questions with a control group were tricky. Check whether the control group changed too.
- A line that just touches a circle makes a right angle with the radius. That gives you a right triangle to solve.
- Exponential questions gave two points on a curve. Call the repeated piece u, and you get a quadratic to solve.

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1 READING AND WRITING · MEDIUM

Studies of how social platforms shape attention have long depended on what participants report about their own habits, a method with obvious limits. The team led by Margit Szabo, whose 2023 study tracked device logs rather than questionnaires, _____ the effects of feed design on session length across 4,000 volunteers.

Which choice completes the text so that it conforms to the conventions of Standard English?

A to analyze

B having analyzed

C analyzed

D analyzing

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2 READING AND WRITING · MEDIUM

In a reinforced concrete beam, the embedded steel bars carry almost no load while the beam is unstressed; they begin to take up force only once the concrete around them has cracked under tension. _____ engineers design such beams on the assumption that the concrete in the tension zone will fail, and they size the reinforcement to carry the whole of the load that the failure releases.

Which choice completes the text with the most logical transition?

A Thus,

B Indeed,

C Instead,

D Meanwhile,

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3 READING AND WRITING · MEDIUM

The adoption of a new technology is commonly taken as a straightforward marker of advancement, each device supplanting a cruder predecessor. The historian Beatriz Oyelaran argues, however, that the disappearance of skills the older tools demanded, among them the reading of currents that preceded satellite navigation, should _____ that tidy account of progress.

Which choice completes the text with the most logical and precise word or phrase?

A consolidate

B refute

C misconstrue

D anticipate

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4 READING AND WRITING · MEDIUM

In Aurelie Mbeki's children's novel The Sorcerer of Vantavere, the sorcerer of the title has built his authority entirely on reputation, and Mbeki takes care to let the reader see the gap between the figure he announces himself to be and the man actually standing in the room. A student wants to illustrate that gap using a single quotation from the novel.

Which quotation from The Sorcerer of Vantavere most effectively illustrates the claim?

A The villagers had spoken of Orbane for so many years that not one of them could now recall who had first described him.

B Orbane's great hall was hung with banners in nine colors, and the sound of a gong followed every word he spoke.

C "You have come a long way to see me," Orbane said, and for a moment no one in the hall dared to answer him.

D "I am Orbane, Dread and Unyielding," said the small man behind the curtain, and his voice shook on the second word.

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5 READING AND WRITING · HARD

The archaeobotanist Halldor Grimsson's account of cereal domestication overturns nearly every element of the standard chronology, yet it would be a mistake to call it _____ for its own sake. Each of his departures from the received view is forced on him by a specific body of seed evidence that the older model, built before systematic flotation sampling, simply never had to accommodate.

Which choice completes the text with the most logical and precise word or phrase?

A derivative

B provisional

C iconoclastic

D exhaustive

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6 READING AND WRITING · HARD

Contrary to the assumption that metallurgy in the region remained rudimentary until the arrival of imported techniques, the furnace complex excavated at Tell Marash demonstrates a degree of thermal control _____ that achieved in workshops five centuries later. Slag chemistry indicates sustained temperatures above 1,150 degrees Celsius, a threshold the later workshops reached only by the same method of forced draft.

Which choice completes the text with the most logical and precise word or phrase?

A at odds with

B dependent upon

C tantamount to

D preliminary to

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7 READING AND WRITING · HARD

The retail analyst Priyanka Sundaram surveyed 812 independent grocers across eleven states in order to record which product categories each store actually carried on its shelves. She contends that household cleaners occupy an unusually secure position in independent retail, arguing that the category is stocked by a substantially greater share of stores than is typical for categories of comparable shelf life and margin. The accompanying table reports the percentage of surveyed stores stocking each of four selected categories, together with the average percentage calculated across every category included in the survey.

Independent Grocers Stocking Selected Product Categories, 2022

Product category	Stores stocking the category (%)
Shelf-stable soups	64
Refrigerated juices	58
Household cleaners	71
Frozen desserts	47
All categories surveyed (average)	60

Which choice best describes data from the table that weaken Sundaram's contention?

A Household cleaners are stocked by 71% of stores, which exceeds the 60% average across all categories surveyed.

B Frozen desserts are stocked by only 47% of stores, the lowest share of the four categories listed.

C The four categories listed range from 47% to 71%, a spread of 24 percentage points.

D The table gives an average across all categories but no average for categories of the kind Sundaram names, so her comparison cannot be checked.

8 READING AND WRITING · HARD

The depth of the flooded sinkhole at Cenote Yaxal had been established at 84 meters since a 1994 bathymetric survey that determined it using a weighted sounding line lowered from a boat positioned at the surface. When a dive team carrying calibrated pressure gauges descended the shaft in 2021, they documented a floor at 122 meters and demonstrated that the sounding line's descent had been arrested considerably above that floor by a limestone ledge projecting from the surrounding shaft wall. The identical sounding technique had generated the published depths for eleven additional flooded sinkholes distributed throughout the district, several of which are known from subsequent sonar profiles to possess comparably irregular walls. It follows that _____

Which choice most logically completes the text?

A the 1994 survey recorded a depth greater than any that a pressure gauge could have registered at Cenote Yaxal.

B sinkholes with irregular walls are on average deeper than sinkholes whose walls descend without interruption.

C the dive team's 2021 measurement would have matched the 1994 figure had the ledge been absent from the shaft.

D the published depths for the other eleven sinkholes should be checked with a method that a projecting ledge cannot obstruct.

9 READING AND WRITING · HARD

Water rises through a tree under tension, and if that tension grows severe enough the column of water in a conduit breaks, leaving an air pocket that puts the conduit out of service. Physiologists summarize a species' vulnerability with a threshold pressure, recorded as a negative number, at which half of its conduits have failed; the more negative that threshold, the greater the tension the species tolerates before losing half its capacity. Reviewing measurements from 140 species across four continents, the plant physiologist Rosalind Achebe proposes that a more negative threshold reliably predicts which trees survive a severe drought.

Which finding, if true, would most directly contradict Achebe's proposal?

A Species with more negative thresholds suffered higher mortality than species with less negative thresholds during a severe regional drought.

B Thresholds measured in the same species varied by as much as 0.4 megapascals between individuals growing at different elevations.

C The relationship between threshold pressure and drought mortality was weaker among the tropical species in the sample than among the temperate ones.

D Some species with very negative thresholds grow in habitats where severe droughts have not been recorded in the past century.

10 READING AND WRITING · HARD

Text 1

National methane inventories are assembled from the bottom up: a country counts its cattle, its landfills, and its gas wells, multiplies each by an emission factor, and reports the sum. Ilse Runeberg defends the approach for industrial sources, where the count is documented and the factors are measured directly at representative sites. She concedes that the wetlands and thawing permafrost within a country's borders enter the same ledger only as modeled estimates, since no comparable census of them exists.

Text 2

Top-down inversion, which infers emissions from atmospheric concentrations measured downwind, would seem to solve the problem Runeberg concedes. Ravi Anantharaman points out, however, that an inversion returns a single flux for everything beneath the footprint of the measurement. Separating the wetland contribution from the pipeline contribution requires isotopic analysis whose reference values for natural sources are themselves derived from sparse and seasonally variable sampling.

Based on the texts, both Runeberg and Anantharaman would most likely agree with which statement?

A Bottom-up inventories should be replaced by top-down inversion wherever atmospheric measurements are available.

B Methane released by natural sources is harder to quantify reliably than methane released by industrial activity.

C Isotopic analysis has resolved the difficulty of separating natural methane fluxes from industrial ones.

D National inventories overstate the contribution that wetlands and thawing permafrost make to total emissions.

11 MATH · MEDIUM

In a circle with center P, arc RS has length 5 centimeters and corresponds to a central angle of 30 degrees. What is the circumference of the circle, in centimeters?

Write your answer:

12 MATH · MEDIUM

A data set consists of 40 recorded temperatures. Each of the 40 values is then decreased by 12.

Compared with the original data set, which statistics of the resulting data set must be different?

A The range only

B The mean and the median only

C The mean and the range only

D The mean, the median, and the range

13 MATH · MEDIUM

In the equation $\frac{x+6}{7} = \frac{x+6}{4}$, x is a real number.

Which statement about the solution to the equation is true?

A The solution is between -15 and -10.

B It lies between -10 and -5.

C A value between -5 and 0 satisfies the equation.

D Between 0 and 5 lies the only solution.

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14 MATH · MEDIUM

The number of visitors to a park increased by 184% from 2019 to 2022. From 2022 to 2024, the number of visitors decreased by 25%.

The number of visitors in 2024 was what percent greater than the number in 2019?

A 113%

B 159%

C 184%

D 213%

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15 MATH · HARD

A population of aphids and a population of ladybugs begin a study at equal sizes. One year later, the aphid population is 3600% of its initial size and the ladybug population is 288% of its initial size. The ladybug population is what percent less than the aphid population?

Write your answer:

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16 MATH · HARD

A planet is modeled as a sphere with a radius of 6,400 kilometers. A surveyor standing on level ground has her eye 45 meters above the planet's surface, and her line of sight to the most distant visible point just grazes the surface, meeting it at a single point.

Which of the following is closest to the length, in kilometers, of that line of sight?

A 24

B 48

C 576

D 759

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17 MATH · HARD

The function f is defined by $f(x) = a^x - b$, where a and b are positive constants and c is a positive constant. The graph of $y = f(x)$ passes through the points $(c, 17)$ and $(2c, 397)$.

What is the value of a^c?

A 3

B 17

C 20

D 380

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18 MATH · HARD

A sculptor is casting a solid metal weight shaped like a cone. Measured from the tip straight down to the flat circular face, the weight stands 18 centimeters tall, and the straight-line distance from the tip to a point on the rim of that face is 30 centimeters.

The volume of the weight is $k\pi$ cubic centimeters. What is the value of k?

Write your answer:

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19 MATH · HARD

The function f is defined by $f(x) = ax^3 + b$, where a and b are constants. The graph of $y = f(x)$ in the xy-plane passes through the points $(1, -2)$ and $(3, 50)$. The function g is defined by $g(x) = f(x - 3) + 7$.

What is the value of $g(1)$?

Write your answer:

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20 MATH · HARD

The equation $\frac{1}{w} = \frac{1}{p} + \frac{1}{q} + \frac{1}{r}$ relates four positive quantities.

Which expression gives w in terms of p, q, and r?

A $\frac{pq+pr+qr}{pqr}$

B $\frac{pqr}{pq+pr+qr}$

C $\frac{p+q+r}{pqr}$

D $\frac{pqr}{p+q+r}$

ANSWERS

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1	**C**	Skip the "whose" part in the middle. The subject is "The team," and it still needs a main verb. Only "analyzed" can be the main verb. The other choices can't finish a sentence.
2	**A**	The steel only works after the concrete cracks. So engineers plan for the concrete to crack. The second idea follows from the first, so use "Thus."
3	**B**	Most people see new technology as progress. Oyelaran points to the skills we lost along the way. That should challenge the tidy story, so refute fits. Consolidate would make the story stronger.
4	**D**	The claim is about the gap between who he says he is and who he really is. In D, he calls himself "Dread and Unyielding," but he's small and his voice shakes. That's the gap. The other quotes never show the real man.
5	**C**	Grimsson breaks almost every rule of the old timeline. But each change is forced by real seed evidence. So he isn't breaking rules just to break them. Iconoclastic means attacking accepted ideas.
6	**C**	The old furnace hit the same high heat as workshops built 500 years later. It even used the same method. Tantamount to means equal to. At odds with would mean the opposite.
7	**D**	Sundaram compares cleaners to categories with similar shelf life and margin. The table only gives the average for all categories. So the table can't test her claim. Choice A uses the wrong average.
8	**D**	One sinkhole was measured too shallow because the line caught on a ledge. Eleven others were measured the same way, and some have rough walls too. So those numbers might be wrong and should be checked.
9	**A**	Achebe says a more negative number predicts which trees survive drought. A says those trees actually died more often. That's the opposite of her idea. C only says the link was weaker in some places.
10	**B**	Runeberg admits wetlands can only be estimated. Anantharaman says the top-down method can't separate wetlands from pipelines. So both agree natural methane is harder to measure. Neither says the problem is solved, so C is out.
11	**60**	30 degrees is $\frac{30}{360} = \frac{1}{12}$ of the circle. So the whole circle is $12 \times 5 = 60$ centimeters.
12	**B**	Subtracting 12 from every value moves the whole data set down by 12. The mean and median both drop by 12. The gap between the biggest and smallest values stays the same, so the range doesn't change.

13	**B**	Both sides have $x + 6$ on top but different numbers on the bottom. They can only be equal if $x + 6 = 0$. So $x = -6$, which is between -10 and -5.
14	**A**	An increase of 184% means multiply by 2.84. A decrease of 25% means multiply by 0.75. $2.84 \times 0.75 = 2.13$, so 2024 is 113% greater than 2019.
15	**92**	Start both at 100. Aphids grow to 3,600 and ladybugs to 288. The gap is 3,312, and $\frac{3{,}312}{3{,}600} = 0.92$. Divide by the aphid number, since the question compares to the aphids.
16	**A**	The line of sight touches the surface, so it makes a right angle with the radius. 45 meters is 0.045 km. Then $d^2 = 6{,}400.045^2 - 6{,}400^2 \approx 576$, so $d \approx 24$. 576 is the trap if you forget the square root.
17	**C**	Call $a^c = u$. Then $a^{2c} = u^2$. Subtract the two equations: $u^2 - u = 380$. That factors as $(u - 20)(u + 19) = 0$, so $u = 20$.
18	**3456**	The height, radius and slant make a right triangle. So $r = \sqrt{30^2 - 18^2} = 24$. The volume is $\frac{1}{3}\pi(24^2)(18) = 3{,}456\pi$.
19	**-13**	Use both points: $a + b = -2$ and $27a + b = 50$. So $a = 2$ and $b = -4$. Then $g(1) = f(-2) + 7 = -16 - 4 + 7 = -13$.
20	**B**	Add the right side over a common bottom: $\frac{qr+pr+pq}{pqr}$. That equals $\frac{1}{w}$. Flip both sides to get $w = \frac{pqr}{pq+pr+qr}$. Choice A forgets to flip.

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