Perfect1600

FREE PRACTICE SET

20 practice questions modeled on the October 4, 2025 SAT

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

Read our full breakdown of the October 2025 SAT:
perfect1600.com/blog/october-2025-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 October 4, 2025 SAT.

- Math was the hard half. The end of Math Module 2 was almost all letters instead of numbers.
- Letter questions came up a lot. Match the coefficients on each side, one at a time.
- In vocab questions, the clue often came after the blank. Read the next sentence before you pick.
- Scale drawing questions tested area. If lengths shrink to $\frac{1}{15}$, area shrinks to $\frac{1}{225}$.
- Tangent line questions handed you the radius. Measure from the center straight to the line.
- Inference questions asked what an argument needs to be true. Name that condition before you read the choices.

Want the full picture, with worked examples? Read the breakdown:
perfect1600.com/blog/october-2025-sat-breakdown

1 READING AND WRITING · EASY

The Museo del Rebozo, devoted entirely to the long woven shawl worn across much of Mexico, occupies a converted textile mill in the city of Puebla. Its collection runs to more than 3,000 pieces, the oldest of them dating to the 1760s. Garments are grouped by the region that produced them rather than by the century in which they were made. Visitors can watch weavers working the backstrap loom in a gallery on the mill's ground floor. The museum also keeps a reference library of dye recipes collected from workshops across the state.

According to the text, where is the Museo del Rebozo located?

A A converted textile mill in the city of Puebla

B A gallery built to house the museum's backstrap looms

C A workshop attached to a regional weaving school

D A building that was constructed during the 1760s

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2 READING AND WRITING · MEDIUM

The collision that raised the Appalachians ended roughly 250 million years ago, but it would be wrong to conclude that the range has since been left untouched. _____ frost, running water, and the slow chemical breakdown of feldspar continue to strip material from the summits, lowering them by a few centimeters every thousand years.

Which choice completes the text with the most logical transition?

A Likewise,

B For instance,

C On the contrary,

D In addition,

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3 READING AND WRITING · MEDIUM

The four landmasses of the Aldabra group sit far enough apart that a giant tortoise can cross between them only by raft of drifting vegetation. _____ ringed by its own fringing reef and supports a population that genetic sampling has shown to be distinct from the other three.

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

A Each of them are

B Each of them is

C The four of them is

D Those islands being

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4 READING AND WRITING · MEDIUM

Determining how widely a medieval treatise circulated is rarely a matter of counting surviving manuscripts, since most perished; the historian Amara Volkov instead set out to _____ the citations that later authors made of it. Her catalogue runs to 214 separate references distributed across eleven decades, a tally that establishes the work's reach far more securely than the four battered copies remaining in European collections.

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

A translate

B dispute

C anticipate

D enumerate

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5 READING AND WRITING · MEDIUM

While researching a topic, a student has taken the following notes:

The Great Kiva at Chetro Ketl is a large circular subterranean chamber in Chaco Canyon, New Mexico.
Archaeologists date the Great Kiva at Chetro Ketl to the Pueblo II period, roughly 900 to 1150 CE.
The Great House at Aztec Ruins stands about 60 miles north of Chaco Canyon.
Archaeologists date the Great House at Aztec Ruins to the Pueblo II period as well.
The Great Kiva at Chetro Ketl was excavated in the 1930s.
The Great House at Aztec Ruins incorporates a band of green sandstone across its north wall.
Both structures were built using core-and-veneer masonry.

The student wants to emphasize a similarity between the two structures. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A The Great Kiva at Chetro Ketl, a large circular subterranean chamber in Chaco Canyon, was excavated in the 1930s.

B Standing about 60 miles north of Chaco Canyon, the Great House at Aztec Ruins incorporates a band of green sandstone across its north wall.

C The Great Kiva at Chetro Ketl is a subterranean chamber, whereas the Great House at Aztec Ruins is distinguished by a band of green sandstone.

D Though they stand about 60 miles apart, both the Great Kiva at Chetro Ketl and the Great House at Aztec Ruins date to the Pueblo II period.

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6 READING AND WRITING · MEDIUM

In her study of the Colombian novelist Rosalia Bermudez, the critic Wen Delacroix argues that magical realism is defined less by the impossible events it reports than by the voice that reports them. A narrator in this mode, Delacroix writes, sets the everyday and the frankly impossible in the same sentence and grants neither the emphasis that would mark it out as strange.

Which quotation from Bermudez's novel The Salt Orchard most effectively illustrates Delacroix's claim?

A "The villagers spoke of the floating lanterns for years afterward, and no one who had seen them could agree on what they had been."

B "Tomasa hung the laundry, counted the hens, and carried her dead grandmother's chair out to the porch so the old woman could watch the road."

C "What happened in the orchard that August was beyond anything the almanac or the priest had prepared them for, and it frightened them badly."

D "The rain fell for four years, eleven months, and two days, longer than any rain the province had recorded in three centuries of keeping registers."

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7 READING AND WRITING · HARD

The sediment cores on which reconstructions of the region's Pleistocene shoreline depend were extracted from a single submarine canyon, and the geologist Idris Fenwick concedes that extrapolating from them to the whole continental margin remains _____. Nothing in the cores contradicts his proposed shoreline, but neither does anything in them establish that the depositional conditions recorded there prevailed elsewhere along the margin.

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

A prohibitive

B definitive

C immaterial

D speculative

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8 READING AND WRITING · HARD

Organizations exempt from federal income tax are nonetheless divided into categories that carry markedly different obligations, and the differences are sharpest in how each category is treated when it retains income rather than distributing it. A category subject to an excise penalty on undistributed income faces a continuing incentive to disburse funds within the year they are received, while a category exempt from that penalty does not. The table summarizes the annual filing requirement and the two principal excise penalties applying to each of four categories.

Annual Filing Requirements and Excise Penalties by Organization Category

Organization category	Required annual form	Penalty on undistributed income	Penalty on unrelated business income
Public charity	Form 990	None	12%
Private operating foundation	Form 990-PF	8%	12%
Private non-operating foundation	Form 990-PF and Form 4720	30%	12%
Religious congregation	None required	None	12%

Which choice most effectively uses data from the table to complete the statement about penalties on retained income?

A Public charities face the heaviest excise penalty on undistributed income of the four categories, at 12%.

B Religious congregations file no annual return and are charged 8% on undistributed income.

C Private operating foundations and private non-operating foundations face identical penalties on undistributed income, at 8% each.

D Private non-operating foundations face the heaviest penalty on undistributed income, at 30%, and are alone in filing Form 4720.

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9 READING AND WRITING · HARD

Because every volcanic flow carries its own trace-element signature, chemical fingerprinting lets a single obsidian blade be matched to the particular outcrop its raw material was quarried from. The archaeologist Solveig Marchetti applied the method to 1,900 blades recovered from thirty-one sites across a 300-kilometer stretch of highland, assigning each blade to one of five documented outcrops. She found that the proportion of blades from any given outcrop fell steadily with distance from it, dropping below five percent past about ninety kilometers, a gradient she reads as evidence that highland communities habitually obtained their obsidian from whichever source lay nearest. Marchetti's reading holds, however, only if _____

Which choice most logically completes the text?

A the outcrops she sampled yielded obsidian of comparable working quality and were comparably easy to reach.

B the proportion of blades from a given outcrop declines more sharply than the yield of that outcrop does.

C chemical fingerprinting can distinguish between outcrops that lie within a few kilometers of one another.

D the 1,900 blades she examined were deposited over a shorter interval than the highland's period of occupation.

10 READING AND WRITING · HARD

To gauge how residents feel about their neighborhood green spaces, sociolinguist Priya Nandakumar collected roughly forty thousand public social-media posts that each named a specific park in either Millbrook or Ashford. Nandakumar assigned every post a positivity score ranging from -1, indicating the most negative tone, to +1, indicating the most positive, and then averaged those scores first for each individual park and afterward for each city. On the basis of these averages, she argued that residents of Millbrook, considered as a whole, wrote about their parks in more positive terms than residents of Ashford did, even though the single most enthusiastically reviewed park lay within Ashford.

Average Positivity Scores of Social-Media Posts About Parks in Millbrook and Ashford

City	Park	Average positivity score
Millbrook	Cedar Commons	0.44
Millbrook	Harbor Green	0.36
Millbrook	City average	0.4
Ashford	Linden Park	0.6
Ashford	Willow Bend	0.1
Ashford	City average	0.35

Which choice most effectively uses data from the table to support Nandakumar's argument?

A Because Linden Park in Ashford earned a higher positivity score than either park in Millbrook, posts about Ashford's parks proved on average more positive than posts about Millbrook's parks.

B Even though Ashford's Linden Park received the highest positivity score of any single park, Millbrook's city average of 0.40 still surpassed Ashford's city average of 0.35.

C Both of Millbrook's parks recorded higher positivity scores than either of Ashford's parks, which is what lifted Millbrook's city average above the city average recorded for Ashford.

D Millbrook's city average of 0.40 fell below the combined average of all four parks, whereas Ashford's city average of 0.35 climbed above that overall figure of 0.375.

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11 MATH · MEDIUM

For $p > 0$, the expression $\sqrt[4]{16p^{20}}$ is equivalent to $2p^k$, where k is a constant. What is the value of k?

Write your answer:

12 MATH · MEDIUM

A thin layer of frost on a windshield spreads so that its area increases at a constant rate of $27{,}000$ square centimeters per hour. At this rate, by how many square meters does the frost's area increase each minute? (1 square meter $= 10{,}000$ square centimeters and 1 hour $= 60$ minutes)

Write your answer:

13 MATH · MEDIUM

On a scale drawing of a rectangular courtyard, every length is $\frac{1}{15}$ of the corresponding actual length.

The area of the courtyard in the drawing is what fraction of the actual area of the courtyard?

A $\frac{1}{3{,}375}$

B $\frac{1}{225}$

C $\frac{1}{30}$

D $\frac{1}{15}$

14 MATH · MEDIUM

A chemist combines solution A, which is 0.2% salt by mass, with solution B, which is 0.45% salt by mass. The mixture has a total mass of 80 grams and is 0.3% salt by mass.

What is the mass, in grams, of solution A in the mixture?

Write your answer:

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15 MATH · HARD

Points A, B, C, and D lie on a circle, where $\overline{AB}$ is a diameter and points C and D are on opposite sides of $\overline{AB}$. If the inscribed angle $\angle ADC$ measures $50°$, what is the measure of $\angle CAB$?

A $25°$

B $40°$

C $50°$

D $80°$

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16 MATH · HARD

In the xy-plane, the equation $x^2 + y^2 - 8x - 2y + c = 0$ represents a circle, and the line $y = -6$ is tangent to that circle.

What is the value of the constant c?

A -32

B -8

C 17

D 66

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17 MATH · HARD

In the equation $2x^2 + bx + 7c = 0$, b and c are positive constants.

The equation has two distinct real solutions. Which inequality must be true?

A $b < \sqrt{56c}$

B $b > \sqrt{56c}$

C $b \geq \sqrt{56c}$

D $b > \sqrt{28c}$

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18 MATH · HARD

Segments $\overline{AE}$ and $\overline{BD}$ intersect at point C, and $\overline{AB}$ is parallel to $\overline{DE}$. The length of $\overline{AB}$ is 14, the length of $\overline{DE}$ is 6, and the area of triangle ABC is 52.

What is the area of triangle EDC?

A $\frac{468}{49}$

B $\frac{156}{7}$

C $\frac{364}{3}$

D $\frac{2{,}548}{9}$

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19 MATH · HARD

The equation $8rst = 5rt + 24s$ is true for positive values of r, s, and t, where $8rt \neq 24$.

Which expression gives s in terms of r and t?

A $\frac{5rt-24}{8rt}$

B $\frac{5rt}{24-8rt}$

C $\frac{5rt}{8rt+24}$

D $\frac{5rt}{8rt-24}$

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20 MATH · HARD

$$(x-n)^2 = (n-6c)(x-n)$$

In the given equation, n and c are constants. The sum of the two solutions to the equation is $3n + 33$. What is the value of c?

Write your answer:

ANSWERS

Step-by-step explanations for every question are at perfect1600.com.

1	**A**	The first sentence says it directly: a converted textile mill in Puebla. D mixes up the dates. The 1760s is the age of the oldest shawls.
2	**C**	The first sentence says it's wrong to think the mountains stopped changing. The second shows they're still wearing down. That goes against the wrong idea, so use "On the contrary."
3	**B**	"Each" means one at a time, so it takes a singular verb. "Each of them is" is right. Don't let "them" trick you into picking "are."
4	**D**	Volkov built a catalogue of 214 references. So she counted and listed them. Enumerate means to count or list one by one.
5	**D**	The goal is a similarity. Both structures date to the Pueblo II period, and D says that. C points out a difference. A and B describe only one structure.
6	**B**	Delacroix says magical realism puts normal and impossible things side by side in the same flat voice. In B, hanging laundry and a dead grandmother watching the road get the same calm tone. The other quotes never mix the two.
7	**D**	Fenwick admits nothing proves his idea applies everywhere. Nothing disproves it either. That makes it a guess, and speculative means based on guessing. Definitive would mean proven.
8	**D**	The text is about penalties on income an organization keeps. D names the biggest one, 30%, and gets it right. A and B get the numbers wrong. C says the two foundations match, but it's 8% against 30%.
9	**A**	Marchetti says people used the nearest source. That only works if all the sources were about equally good and easy to reach. If one quarry had better stone, people might travel farther for it.
10	**B**	Nandakumar's claim has two parts. Millbrook's average is higher, even though Ashford has the single best park. B covers both parts with the right numbers: 0.40 against 0.35, with Linden Park on top.
11	**5**	The fourth root of 16 is 2. For the exponent, divide: $20 \div 4 = 5$. So $\sqrt[4]{16p^{20}} = 2p^5$, and $k = 5$.
12	**0.045 or 9/200**	First change square centimeters to square meters: $27{,}000 \div 10{,}000 = 2.7$ per hour. Then change hours to minutes: $2.7 \div 60 = 0.045$.
13	**B**	Area uses two lengths, so square the scale: $(\frac{1}{15})^2 = \frac{1}{225}$. Choice D forgets to square, and A cubes it.
14	**48**	Let A be the grams of solution A. The salt adds up: $0.002A + 0.0045(80 - A) = 0.003(80)$. That gives $0.0025A = 0.12$, so $A = 48$.

15	**B**	AB is a diameter, so angle ACB is 90 degrees. Angles ADC and ABC open onto the same arc, so ABC is also 50 degrees. Then angle $CAB = 180 - 90 - 50 = 40$.
16	**A**	Complete the square: $(x-4)^2 + (y-1)^2 = 17 - c$. The center is $(4, 1)$. The line $y = -6$ is 7 below it, so the radius is 7. Then $17 - c = 49$, so $c = -32$.
17	**B**	Two solutions means $b^2 - 4ac > 0$. Here that's $b^2 - 56c > 0$. b is positive, so $b > \sqrt{56c}$. C allows equal, which would give only one solution.
18	**A**	The parallel sides make the two triangles similar. The side ratio is $\frac{6}{14} = \frac{3}{7}$. Areas scale by the square, $\frac{9}{49}$. So the area is $52 \times \frac{9}{49} = \frac{468}{49}$.
19	**D**	Get every s term on one side: $8rst - 24s = 5rt$. Pull out s: $s(8rt - 24) = 5rt$. Divide to get $s = \frac{5rt}{8rt-24}$.
20	**-5.5 or -11/2**	Don't divide by $x - n$, or you lose a solution. One solution is $x = n$. The other comes from $x - n = n - 6c$, so $x = 2n - 6c$. Their sum is $3n - 6c = 3n + 33$, so $c = -5.5$.

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