

SAT Math Practice Workbook

40 original questions • Worked solutions • A plan for your next session

Build the skill.
Explain the answer.
Learn from the mistake.

A workbook you can actually use

Write directly on printed pages, check your reasoning, then return to the questions that need another try.

Inside	What you will do
Four topic sections	Practice algebra, advanced math, data analysis and geometry.
Solutions for all 40 questions	See the method, the answer and a common mistake.
Your next steps	Use a mistake log, progress tracker and two-week plan.

Name: _____ Start date: _____

Make this workbook work for you

A focused practice resource, with room to think.

1. Start with the eight-question check

Attempt questions 1, 2, 11, 12, 21, 22, 31 and 32 first. They are part of the 40-question workbook, not extra questions. Use your results to choose a starting topic.

2. Show your thinking

Write equations, label units and record why your method works. A calculator is welcome for this workbook. These worksheets are untimed; optional session lengths are planning suggestions.

3. Check answers after your attempt

Use the quick key on page 24, then the worked solutions on pages 25-34. A correct guess still deserves review. Mark confidence as Sure, Unsure or Guessed.

4. Retry without looking

Record the error and a next action. On a later day, cover the solution and solve again from a blank page. Repeating a known question checks retention, not an independent score gain.

Know what this resource measures

It is a topic-practice workbook, not a full-length adaptive test or score predictor. Difficulty labels are editorial guidance, not calibrated SAT difficulty.

All questions were created for this workbook. SAT is a trademark of College Board. This resource is independently produced by ScoreDino and is not affiliated with or endorsed by College Board.

Your starting point

Eight questions. Four areas. One practical next step.

Area	Try first	Then practice	Pages
Algebra	1, 2	1-10	4-8
Advanced Math	11, 12	11-20	9-13
Problem-Solving & Data Analysis	21, 22	21-30	14-18
Geometry & Trigonometry	31, 32	31-40	19-23

After the starting check

- Missed or guessed both in an area? Begin there and use the worked solutions as a lesson after attempting each question.
- Missed or guessed one? Practice that topic next and write down the step that was unclear.
- Both correct with clear reasoning? Move on to the Developing and Challenge questions. Two answers cannot establish mastery.

My first topic: _____

One skill I want to improve: _____

Contents: Questions 4-23 • Answer key 24 • Solutions 25-34 • Mistake log 35 • Progress tracker 36 • Two-week plan and sources 37

Algebra

Questions 1-2 • Attempt before opening the answer key

01 Linear equation | Foundation

If $5x - 7 = 28$, what is x ?

- A. 5
- B. 7
- C. 9
- D. 21

Answer: _____ Confidence: Sure / Unsure / Guessed

02 Slope | Foundation

A line passes through (2, 5) and (6, 17). What is its slope?

- A. 2
- B. 3
- C. 4
- D. 12

Answer: _____ Confidence: Sure / Unsure / Guessed

Algebra

Questions 3-4 • Attempt before opening the answer key

03 Linear model | Foundation

A bike rental costs a fixed \$12 fee plus \$4 per hour. A rider pays \$40. For how many hours was the bike rented?

Answer: _____ Confidence: Sure / Unsure / Guessed

04 System of equations | Developing

If $2x + y = 11$ and $x - y = 1$, what is $x + y$?

- A. 3
- B. 4
- C. 7
- D. 8

Answer: _____ Confidence: Sure / Unsure / Guessed

Algebra

Questions 5-6 • Attempt before opening the answer key

05 Linear inequality | Developing

A club has \$85 for notebooks. Delivery costs \$7 and each notebook costs \$6. What is the greatest number of notebooks the club can buy?

Answer: _____ Confidence: Sure / Unsure / Guessed

06 Parallel lines | Developing

For what value of k do $y = 3x + 2$ and $y = kx - 5$ have no solution?

Answer: _____ Confidence: Sure / Unsure / Guessed

Algebra

Questions 7-8 • Attempt before opening the answer key

07 Equivalent systems | Developing

The equations $4x + 6y = 18$ and $2x + ay = 9$ have infinitely many solutions. What is a ?

- A. 2
- B. 3
- C. 6
- D. 9

Answer: _____ Confidence: Sure / Unsure / Guessed

08 Function value | Developing

The linear function f satisfies $f(2) = 9$ and $f(5) = 21$. What is $f(0)$?

Answer: _____ Confidence: Sure / Unsure / Guessed

Algebra

Questions 9-10 • Attempt before opening the answer key

09 Ticket model | Challenge

A school sells 80 tickets. Adult tickets cost \$12 and student tickets cost \$7. Total ticket revenue is \$710. How many adult tickets were sold?

Answer: _____ Confidence: Sure / Unsure / Guessed

10 Parameter equation | Challenge

For the equation $3(2x - 1) = ax + 9$ to have no solution, what must a equal?

Answer: _____ Confidence: Sure / Unsure / Guessed

Advanced Math

Questions 11-12 • Attempt before opening the answer key

11 Quadratic roots | Foundation

What is the larger solution of $x^2 - 7x + 12 = 0$?

- A. 3
- B. 4
- C. 7
- D. 12

Answer: _____ Confidence: Sure / Unsure / Guessed

12 Exponent rules | Foundation

For $x \neq 0$, which expression is equivalent to $(x^3)(x^5)/x^2$?

- A. x^6
- B. x^8
- C. x^{10}
- D. x^{15}

Answer: _____ Confidence: Sure / Unsure / Guessed

Advanced Math

Questions 13-14 • Attempt before opening the answer key

13 Quadratic minimum | Developing

The function g is defined by $g(x) = (x - 4)^2 + 7$. What is its minimum value?

Answer: _____ Confidence: Sure / Unsure / Guessed

14 Exponential decay | Developing

A device is worth \$800 initially and loses 15% of its value each year. Under this model, what is its value after 2 years?

Answer: _____ Confidence: Sure / Unsure / Guessed

Advanced Math

Questions 15-16 • Attempt before opening the answer key

15 Rational equation | Developing

If $x \neq 2$ and $(x + 4)/(x - 2) = 3$, what is x ?

Answer: _____ Confidence: Sure / Unsure / Guessed

16 Radical equation | Developing

What is the solution of $\sqrt{x + 5} = x - 1$?

Answer: _____ Confidence: Sure / Unsure / Guessed

Advanced Math

Questions 17-18 • Attempt before opening the answer key

17 One repeated root | Challenge

The equation $x^2 - 6x + k = 0$ has exactly one distinct real solution. What is k ?

Answer: _____ Confidence: Sure / Unsure / Guessed

18 Quadratic model | Developing

A rectangle has width x meters and length $x + 3$ meters. Its area is 54 square meters. What is its width?

Answer: _____ Confidence: Sure / Unsure / Guessed

Advanced Math

Questions 19-20 • Attempt before opening the answer key

19 Quadratic transformation | Challenge

The function f is $f(x) = x^2$. The function h is $h(x) = f(x + 2) - 5$. What is the sum of the x -coordinates of the two x -intercepts of h ?

Answer: _____ Confidence: Sure / Unsure / Guessed

20 Exponential growth | Challenge

A population follows $P(t) = 240b^t$, where t is measured in hours and b is positive. If $P(3) = 1,920$, what is b ?

Answer: _____ Confidence: Sure / Unsure / Guessed

Problem-Solving & Data Analysis

Questions 21-22 • Attempt before opening the answer key

21 Percent change | Foundation

A price increases from \$60 to \$75. What is the percent increase?

- A. 15%
- B. 20%
- C. 25%
- D. 80%

Answer: _____ Confidence: Sure / Unsure / Guessed

22 Mean | Foundation

The mean of 6, 8, 10, and x is 9. What is x ?

Answer: _____ Confidence: Sure / Unsure / Guessed

Problem-Solving & Data Analysis

Questions 23-24 • Attempt before opening the answer key

23 Ratios | Developing

A mixture contains red and blue beads in a ratio of 3 to 5. If it contains 64 beads total, how many are blue?

Answer: _____ Confidence: Sure / Unsure / Guessed

24 Unit rates | Developing

A printer makes 18 pages per minute at a constant rate. How many pages does it make in 2.5 hours?

Answer: _____ Confidence: Sure / Unsure / Guessed

Problem-Solving & Data Analysis

Questions 25-26 • Attempt before opening the answer key

25 Conditional probability | Developing

A club has 30 members: 12 juniors and 18 seniors. Of these, 8 juniors and 9 seniors play an instrument. If one instrument-playing member is chosen at random, what is the probability that the member is a senior?

Answer: _____ Confidence: Sure / Unsure / Guessed

26 Median and outliers | Developing

The data set is 4, 7, 7, 9, 13. If 13 is replaced by 103, which statement is true?

- A. Both mean and median increase
- B. Mean increases, median stays the same
- C. Mean stays the same, median increases
- D. Both stay the same

Answer: _____ Confidence: Sure / Unsure / Guessed

Problem-Solving & Data Analysis

Questions 27-28 • Attempt before opening the answer key

27 Linear prediction | Developing

A model predicts a plant's height h , in centimeters, by $h = 2.4w + 8$, where w is weeks after planting. The measured height after 5 weeks is 22 cm. What is measured height minus predicted height?

Answer: _____ Confidence: Sure / Unsure / Guessed

28 Sample inference | Developing

A school randomly surveys 100 of its 800 students. Of those surveyed, 62 prefer a later start time. Which is the best estimate of the number of all students who prefer a later start time?

- A. 62
- B. 100
- C. 496
- D. 620

Answer: _____ Confidence: Sure / Unsure / Guessed

Problem-Solving & Data Analysis

Questions 29-30 • Attempt before opening the answer key

29 Successive percentages | Challenge

A jacket is discounted by 20%. Sales tax of 8% is then applied to the discounted price. The final price is \$86.40. What was the price before discount and tax?

Answer: _____ Confidence: Sure / Unsure / Guessed

30 Weighted mean | Challenge

Group A has 12 students with mean quiz score 75. Group B has 18 students with mean quiz score 85. What is the mean score of all 30 students?

Answer: _____ Confidence: Sure / Unsure / Guessed

Geometry & Trigonometry

Questions 31-32 • Attempt before opening the answer key

31 Right triangle | Foundation

A right triangle has legs of length 9 and 12. What is the hypotenuse length?

Answer: _____ Confidence: Sure / Unsure / Guessed

32 Circle area | Foundation

A circle has radius 5 centimeters. Its area is $k\pi$ square centimeters. What is k ?

Answer: _____ Confidence: Sure / Unsure / Guessed

Geometry & Trigonometry

Questions 33-34 • Attempt before opening the answer key

33 Similar figures | Developing

Two similar triangles have corresponding side lengths 6 and 15. The smaller triangle has area 20 square units. What is the larger triangle's area?

Answer: _____ Confidence: Sure / Unsure / Guessed

34 Cylinder volume | Developing

A cylinder has radius 3 and height 8. Its volume is $k\pi$ cubic units. What is k ?

Answer: _____ Confidence: Sure / Unsure / Guessed

Geometry & Trigonometry

Questions 35-36 • Attempt before opening the answer key

35 Trigonometric ratios | Developing

In right triangle ABC, angle C is 90° . $AC = 8$, $BC = 15$, and $AB = 17$. What is $\sin A$?

Answer: _____ Confidence: Sure / Unsure / Guessed

36 Arc length | Developing

A circle has radius 12. What is the length of an arc subtended by a central angle of $\pi/3$ radians? Express your answer as a multiple of π .

Answer: _____ Confidence: Sure / Unsure / Guessed

Geometry & Trigonometry

Questions 37-38 • Attempt before opening the answer key

37 Circle equation | Developing

A circle satisfies $(x - 2)^2 + (y + 3)^2 = 49$. What is its radius?

- A. 2
- B. 3
- C. 7
- D. 49

Answer: _____ Confidence: Sure / Unsure / Guessed

38 Special triangle | Challenge

In a 30° - 60° - 90° triangle, the side opposite the 30° angle has length 6. What is the length of the side opposite the 60° angle?

Answer: _____ Confidence: Sure / Unsure / Guessed

Geometry & Trigonometry

Questions 39-40 • Attempt before opening the answer key

39 Coordinate geometry | Challenge

A circle has a diameter with endpoints $(-1, 2)$ and $(7, 8)$. What is the circle's area? Express your answer as a multiple of π .

Answer: _____ Confidence: Sure / Unsure / Guessed

40 Triangle angles | Developing

Two interior angles of a triangle measure $(2x + 10)^\circ$ and $(3x - 5)^\circ$. The third angle measures 75° . What is x ?

Answer: _____ Confidence: Sure / Unsure / Guessed

Quick answer key

Check after attempting. Read the solution even when a guess was correct.

Algebra

01 B: 7

02 B: 3

03 7

04 C: 7

05 13

06 3

07 B: 3

08 1

09 30

10 6

Advanced Math

11 B: 4

12 A: x^6

13 7

14 578

15 5

16 4

17 9

18 6

19 -4

20 2

Problem-Solving & Data Analysis

21 C: 25%

22 12

23 40

24 2700

25 9/17

26 B: mean $\uparrow$; median unchanged

27 2

28 C: 496

29 100

30 81

Geometry & Trigonometry

31 15

32 25

33 125

34 72

35 15/17

36 4π

37 C: 7

38 $6\sqrt{3}$

39 25π

40 20

Exact fractions and radicals are used where requested. For open-response questions, equivalent exact forms are acceptable. This workbook uses written-response formats, not Bluebook input rules.

Worked solutions 1-4

Read the reasoning. Then cover it and try the question again.

01 Linear equation • Answer: B: 7

Add 7 to both sides: $5x = 35$. Divide both sides by 5 to get $x = 7$. Check: $5(7) - 7 = 28$.

Watch for: Undo addition or subtraction before dividing; do the same operation on both sides.

02 Slope • Answer: B: 3

Slope is change in y divided by change in x: $(17 - 5)/(6 - 2) = 12/4 = 3$. Each increase of 1 in x increases y by 3.

Watch for: Use the same point order in the numerator and denominator.

03 Linear model • Answer: 7

Let h be the hours. Then $12 + 4h = 40$, so $4h = 28$ and $h = 7$. The \$12 is a one-time fee, not an hourly charge.

Watch for: Subtract the fixed fee before dividing by the hourly rate.

04 System of equations • Answer: C: 7

Add the equations to eliminate y: $3x = 12$, so $x = 4$. Substitute into $x - y = 1$ to get $y = 3$. Therefore $x + y = 7$.

Watch for: The question asks for the sum, not just the value of x.

Worked solutions 5-8

Read the reasoning. Then cover it and try the question again.

05 Linear inequality • Answer: 13

Write $6n + 7 \leq 85$. Subtract 7 and divide by 6: $n \leq 13$. The greatest whole-number value is 13; 13 notebooks plus delivery cost exactly \$85.

Watch for: Include delivery in the budget and use a whole-number answer.

06 Parallel lines • Answer: 3

Two distinct parallel lines never meet. Their slopes must match, so $k = 3$. Their y-intercepts, 2 and -5, are different, confirming they are distinct.

Watch for: Equal slopes alone are not enough: equal intercepts would give the same line.

07 Equivalent systems • Answer: B: 3

Divide every term of the first equation by 2: $2x + 3y = 9$. The second equation must describe this same line, so $a = 3$.

Watch for: Scale every term, including the constant on the right.

08 Function value • Answer: 1

The slope is $(21 - 9)/(5 - 2) = 4$. Write $f(x) = 4x + b$. Using $x = 2$ gives $9 = 8 + b$, so $b = 1$ and $f(0) = 1$.

Watch for: The y-intercept is $f(0)$, not the slope.

Worked solutions 9-12

Read the reasoning. Then cover it and try the question again.

09 Ticket model • Answer: 30

Let a be adult tickets, so $80 - a$ are student tickets. Then $12a + 7(80 - a) = 710$. Simplify: $5a + 560 = 710$, giving $a = 30$. Check: $30(12) + 50(7) = 710$.

Watch for: Do not charge the adult price for all 80 tickets.

10 Parameter equation • Answer: 6

Expand: $6x - 3 = ax + 9$. Rearrange to $(6 - a)x = 12$. When $a = 6$, this becomes $0 = 12$, which is impossible. Thus $a = 6$.

Watch for: A zero x -coefficient gives no solution only when the remaining constants disagree.

11 Quadratic roots • Answer: B: 4

Factor the expression as $(x - 3)(x - 4)$. A product is zero when either factor is zero, so the roots are 3 and 4. The larger root is 4.

Watch for: Distinguish the roots from the numbers appearing as coefficients.

12 Exponent rules • Answer: A: x^6

Add exponents when multiplying equal bases and subtract when dividing: $3 + 5 - 2 = 6$. Therefore the expression equals x^6 .

Watch for: Do not multiply the exponents when multiplying powers of the same base.

Worked solutions 13-16

Read the reasoning. Then cover it and try the question again.

13 Quadratic minimum • Answer: 7

For real x , $(x - 4)^2$ is at least zero. It reaches zero when $x = 4$, so the smallest possible output is 7.

Watch for: The minimum output is 7; the input where it occurs is 4.

14 Exponential decay • Answer: 578

A 15% decrease retains 85%, so the yearly multiplier is 0.85. After 2 years the value is $800(0.85)^2 = 578$ dollars.

Watch for: Apply the second decrease to the reduced value, not the original \$800.

15 Rational equation • Answer: 5

Multiply by $x - 2$: $x + 4 = 3x - 6$. Rearrange to $10 = 2x$, giving $x = 5$. The original denominator is 3, and $9/3 = 3$, so the solution is valid.

Watch for: Keep the excluded value $x = 2$ in mind when clearing the denominator.

16 Radical equation • Answer: 4

The right side must be nonnegative, so $x \geq 1$. Square both sides: $x + 5 = x^2 - 2x + 1$. Then $x^2 - 3x - 4 = (x - 4)(x + 1) = 0$. Only $x = 4$ satisfies the original equation; $x = -1$ is extraneous.

Watch for: Always check roots after squaring; squaring can introduce false solutions.

Worked solutions 17-20

Read the reasoning. Then cover it and try the question again.

17 One repeated root • Answer: 9

A quadratic has one repeated real root when its discriminant is zero. Here $36 - 4k = 0$, giving $k = 9$. The equation becomes $(x - 3)^2 = 0$.

Watch for: One distinct solution means a repeated root, not two unequal roots.

18 Quadratic model • Answer: 6

Set $x(x + 3) = 54$. Then $x^2 + 3x - 54 = (x + 9)(x - 6) = 0$. The roots are -9 and 6, but a physical width must be positive, so it is 6 meters.

Watch for: Discard the negative root because it cannot represent this length.

19 Quadratic transformation • Answer: -4

Rewrite $h(x) = (x + 2)^2 - 5 = x^2 + 4x - 1$. For $ax^2 + bx + c = 0$, the root sum is $-b/a$, so the sum is -4. Equivalently, the two roots are $-2 + \sqrt{5}$ and $-2 - \sqrt{5}$.

Watch for: The horizontal shift is left 2, and the two roots sum to -4, not 4.

20 Exponential growth • Answer: 2

Substitute $t = 3$: $240b^3 = 1,920$. Divide by 240 to get $b^3 = 8$. Take the positive cube root, giving $b = 2$. This is the per-hour growth factor.

Watch for: The factor 8 describes three hours, not one hour.

Worked solutions 21-24

Read the reasoning. Then cover it and try the question again.

21 Percent change • Answer: C: 25%

The increase is $75 - 60 = 15$ dollars. Divide by the original price: $15/60 = 0.25$. Multiply by 100 to get a 25% increase.

Watch for: Use the original value in the denominator, not the new price.

22 Mean • Answer: 12

Four numbers with mean 9 have sum $4(9) = 36$. The three known numbers sum to 24. Therefore $x = 36 - 24 = 12$.

Watch for: Multiply the mean by the number of values before subtracting known values.

23 Ratios • Answer: 40

There are $3 + 5 = 8$ equal ratio parts. Each part contains $64/8 = 8$ beads. Blue occupies 5 parts, so there are $5(8) = 40$ blue beads.

Watch for: The blue fraction of the total is $5/8$, not $5/3$.

24 Unit rates • Answer: 2700

Convert 2.5 hours to 150 minutes. Then multiply 18 pages per minute by 150 minutes to get 2,700 pages.

Watch for: Convert hours to minutes before using a per-minute rate.

Worked solutions 25-28

Read the reasoning. Then cover it and try the question again.

25 Conditional probability • Answer: 9/17

The selection pool contains only instrument players: $8 + 9 = 17$ people. Nine of them are seniors, so the probability is $9/17$.

Watch for: The denominator is 17 instrument players, not all 30 members.

26 Median and outliers • Answer: B: Mean increases, median stays the same

The middle value remains 7 in both ordered sets. The sum increases by 90 while the count stays at 5, so the mean increases by 18. Therefore only the mean increases.

Watch for: A large change to an extreme value does not necessarily change the median.

27 Linear prediction • Answer: 2

The predicted height is $2.4(5) + 8 = 20$ cm. Measured minus predicted is $22 - 20 = 2$ cm. The measurement is 2 cm above the model's prediction.

Watch for: Follow the subtraction order given in the question.

28 Sample inference • Answer: C: 496

The sample proportion is $62/100 = 0.62$. Apply that proportion to the population: $0.62(800) = 496$. This is an estimate, not an exact count of all students.

Watch for: Do not treat the sample count as the population count or claim an estimate is certain.

Worked solutions 29-32

Read the reasoning. Then cover it and try the question again.

29 Successive percentages • Answer: 100

Let p be the original price. The final price is $p(0.80)(1.08) = 0.864p$. Solve $0.864p = 86.40$ to obtain $p = 100$ dollars.

Watch for: Successive percentages multiply; subtracting 20 and adding 8 is not equivalent.

30 Weighted mean • Answer: 81

Group totals are $12(75) = 900$ and $18(85) = 1,530$. Combined, they sum to 2,430 points across 30 students. The mean is $2,430/30 = 81$.

Watch for: Do not average 75 and 85 equally because the group sizes differ.

31 Right triangle • Answer: 15

Use $a^2 + b^2 = c^2$. Then $c^2 = 9^2 + 12^2 = 81 + 144 = 225$, so $c = 15$. Use the positive root because c is a length.

Watch for: The hypotenuse is opposite the right angle and must be the longest side.

32 Circle area • Answer: 25

Circle area is πr^2 . With $r = 5$, the area is 25π square centimeters, so $k = 25$.

Watch for: Square the radius; $2\pi r$ is circumference, not area.

Worked solutions 33-36

Read the reasoning. Then cover it and try the question again.

33 Similar figures • Answer: 125

The side scale factor is $15/6 = 2.5$. Area scales by the square of this factor, 6.25. Therefore the larger area is $20(6.25) = 125$ square units.

Watch for: Do not multiply area by the linear scale factor alone.

34 Cylinder volume • Answer: 72

The volume is base area times height: $V = \pi r^2 h$. Substitute $r = 3$ and $h = 8$: $V = \pi(9)(8) = 72\pi$. Thus $k = 72$.

Watch for: Use the radius, not the diameter, in the squared term.

35 Trigonometric ratios • Answer: 15/17

Relative to angle A, the opposite side is $BC = 15$. The hypotenuse is $AB = 17$. Sine is opposite divided by hypotenuse, so $\sin A = 15/17$.

Watch for: Identify the reference angle before deciding which side is opposite.

36 Arc length • Answer: 4π

For an angle in radians, arc length $s = r\theta$. Substitute $r = 12$ and $\theta = \pi/3$ to get $s = 12\pi/3 = 4\pi$.

Watch for: The formula $s = r\theta$ requires radians, not degrees.

Worked solutions 37-40

Read the reasoning. Then cover it and try the question again.

37 Circle equation • Answer: C: 7

Compare with $(x - h)^2 + (y - k)^2 = r^2$. Here $r^2 = 49$, so $r = 7$. The center is $(2, -3)$, but the question asks only for the radius.

Watch for: The right-hand constant is the radius squared, not the radius.

38 Special triangle • Answer: $6\sqrt{3}$

The side ratios opposite 30° , 60° , and 90° are $1 : \sqrt{3} : 2$. Scale all three by 6. The requested longer leg is $6\sqrt{3}$, and the hypotenuse is 12.

Watch for: The longer leg is not the hypotenuse; match each side to its opposite angle.

39 Coordinate geometry • Answer: 25π

The diameter length is $\sqrt{(7 + 1)^2 + (8 - 2)^2} = \sqrt{64 + 36} = 10$. The radius is half of that, or 5. The area is $\pi(5)^2 = 25\pi$.

Watch for: The endpoint distance is a diameter here, so halve it before calculating area.

40 Triangle angles • Answer: 20

The interior angles sum to 180° . Thus $(2x + 10) + (3x - 5) + 75 = 180$. Combine terms: $5x + 80 = 180$, giving $x = 20$. The angles are 50° , 55° , and 75° .

Watch for: Combine constants carefully and check that all three angles are positive.

Turn a mistake into a next step

Use one specific sentence. "I am bad at math" is not a useful diagnosis.

Worked example

Q21: I divided by the new price. Next time I will circle the original value before calculating percent change. Retry tomorrow without the solution.

Error codes: Concept • Setup • Algebra/arithmetic • Reading/units • Calculator entry • Guess.

A retry result can be: Independent / Needed a hint / Still unclear.

Track understanding, not just totals

A second attempt on the same question is a retention check.

Topic	First try correct	Guessed / unsure	Retry date	Next skill
Algebra	___ / 10	___	___	
Advanced Math	___ / 10	___	___	
Problem-Solving & Data Analysis	___ / 10	___	___	
Geometry & Trigonometry	___ / 10	___	___	

Before you mark a skill as secure

- ☐ I can explain why my method works.
- ☐ I can spot the mistake I made before.
- ☐ I can solve the question again without the worked answer.
- ☐ I can try a new question using the same skill.

My next session

Date: _____ Topic: _____

What I will do differently: _____

A flexible two-week plan

Suggested 25-40 minute sessions. Move sessions to fit your week.

Session	Focus	Finish with
1	Starting check: the 8 selected questions	Choose the first topic to work on.
2	Remaining Algebra questions	Log errors and retry one missed item.
3	Remaining Advanced Math questions	Explain one method in your own words.
4	Retry + catch-up session	Revisit unclear work without the key.
5	Remaining data-analysis questions	Check denominators, rates and units.
6	Remaining geometry questions	Label the needed lengths and angles.
7	Mixed retry session	Use fresh paper and hide solutions.
8	Review the tracker	Choose new practice for remaining gaps.

Use official practice alongside this workbook

College Board describes four SAT Math content areas. This workbook samples each area with 10 questions for convenient topic practice; it does not reproduce the exam’s question distribution or adaptive structure.

Sources for scope and further practice

[College Board: The Math Section - Overview](#)

[College Board: Types of Math Tested](#)

[College Board: Bluebook](#)

Scope sources checked 10 October 2026. Questions and solutions are original ScoreDino material.