



SAT Math Checklist

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TARGET: 700+ SCORE

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1

Algebra

~35% of questions

- ✓ Linear equations in one variable
- ✓ Linear equations in two variables
- ✓ Linear functions & slope-intercept form
- ✓ Systems of two linear equations
- ✓ Linear inequalities (one & two variables)

2

Advanced Math

~35% of questions

- ✓ Equivalent expressions & factoring
- ✓ Quadratic & polynomial equations
- ✓ Nonlinear functions (exponential, radical)
- ✓ Systems with a linear & nonlinear equation
- ✓ Isolating variables in complex formulas

3

Problem-Solving & Data Analysis

~15% of questions

- ✓ Ratios, rates & proportional relationships
- ✓ Percentages & percent change
- ✓ Statistics: mean, median, spread
- ✓ Scatterplots & line/curve of best fit
- ✓ Probability & conditional probability

4

Geometry & Trigonometry

~15% of questions

- ✓ Area, perimeter & volume formulas
- ✓ Lines, angles & triangle properties
- ✓ Right triangles & Pythagorean theorem
- ✓ Basic trig: sin, cos, tan & their ratios
- ✓ Circles: arc length, area & equations

5 Problem-Solving Strategies

Identify the question

1

Every SAT problem asks exactly one thing. Find it, underline it, and keep it in view the whole time you solve.

Survey answer choices

2

Glance at the choices before diving in. Similar-looking answers tell you what precision is required.

Re-read before answering

3

The SAT places 'bait' answers — correct midpoints of a multi-step problem. Finish all steps before selecting.

Don't overcomplicate

4

If you're past 10 steps, stop. SAT math tests concepts, not computation. There is almost always a simpler path.

Draw it out & show work

5

Label variables, sketch diagrams, write every step. One visible mistake caught is worth more than speed.

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