

Upward Bound Math & Science Center – STATE

ACT & SAT Preparation (Math Section)

ACT Math Details (Review of what's covered):

- Questions: 60 (60 minutes)
- Use of calculator throughout
- 60% of Math: Content covers: complex number systems, algebra, functions, geometry, and statistics and probability (these are essential for college mathematics)
- 40% of Math: Synthesis information using rates and percentages, proportions, area, surface area, and volume; average and median, and understand connections; modeling
- Knowledge of formulas and ability to compute are necessary for problems

TIPS: <http://www.act.org/content/act/en/products-and-services/the-act/test-preparation/math-practice-test-questions.html?page=0&chapter=0>

PRACTICE: <http://www.act.org/content/act/en/products-and-services/the-act/test-preparation.html> (scroll down the page)

SAT Math Details (Review of what's covered):

- Questions: No Calculator use – 20 (25 minutes) and Calculator use – 38 (55 minutes)
- Content covers: Algebra, problem solving and data analysis, advanced math such as complex equations
- Also covers: geometry, trigonometry related to college courses

TIPS: <https://collegereadiness.collegeboard.org/sat/taking-the-test>

PRACTICE: <https://collegereadiness.collegeboard.org/sat/practice> (scroll down the page)