

All about the ACT Breakdown of Components

English ACT

Punctuation Conventions

(13%/10 Questions)

- Commas
- Apostrophes
- Colons, semicolons, and dashes
- Periods, question marks, and exclamation marks

Usage Conventions (16%/12 Questions)

- Subject/verb
- Pronoun/antecedent
- Adjectives/adverbs with corresponding nouns and verbs
- Verb forms
- Pronoun forms and cases
- Comparative/superlative modifiers
- Idioms

Sentence Structure and Formation (24%/18 Questions)

- Subordinate/dependent clauses
- Run-on/fused sentences
- Comma splices
- Fragments
- Misplaced modifiers
- Shifts in verb tense or voice
- Shifts in pronoun person or number
- Parallelism
- Phrases

Topic Development with Purpose and Focus/Strategy (16%/12 Questions)

- Adding, revising, or deleting supporting material
- Judging the relevance of the deleted/added statement
- Choosing expressions appropriate to the essay's audience and purpose
- Identifying writer's primary purpose

Organization, Unity, and Cohesion (15%/11 Questions)

- Organize ideas
- Choose effective opening, transitional, and closing sentences
- Transition

Knowledge of Language/Style

(16%/12 Questions)

- Choose precise and appropriate words and images
- Maintain level of style/tone of essay
- Manage sentence elements for rhetorical effectiveness
- Avoid ambiguous pronoun references, wordiness, and redundancy

Usage/Mechanics

(53%/40 Questions)

Punctuation Conventions

(13%/10 Questions)

- Commas 1, 5, 12, 16, 20, 24, 31, 32, 33, 47, 53, 64, 67
- Apostrophes 25, 66
- Colons, semicolons, and dashes 9, 62, 69, 72
- Periods, question marks, and exclamation marks 33

Usage Conventions

(16%/ 12 Questions)

- Subject/verb 6, 10, 50 (inverted)
- Pronoun/antecedent 46
- Adjectives/adverbs with corresponding nouns and verbs 61
- Verb forms 6, 8, 17, 35, 63
- Pronoun forms and cases 37, 42, 43, 74
- Comparative/superlative modifiers 11
- Idioms

Sentence Structure and Formation

(24%/18 questions)

- Subordinate/dependent clauses 3, 4, 39
- Run-on/fused sentences
- Comma splices
- Fragments
- Misplaced modifiers
- Shifts in verb tense or number
- Shifts in pronoun person or number
- Parallelism 49
- Phrases 19, 22

Topic Development with Purpose and Focus/Strategy

(16%/12 questions)

- Adding, revising, or deleting supporting materials 14, 29, 56, 68
- Judging relevancy of the deleted/added statement 26, 36, 51, 70

- Choosing expressions appropriate to the essay's audience and purpose 71
- Identifying writer's primary purpose 15, 30, 45, 60, 75

Organization, Unity, and Cohesion

(15%/11 questions)

- Organize ideas 34, 44, 57
- Choose effective opening, transitional, and closing sentences 13, 65
- Transition 2, 27, 48, 58

Knowledge of Language/Style

(16%/12 questions)

- Choose precise and appropriate words and images 23, 28, 38
- Maintain level of style/tone of essay 55
- Manage sentence elements for rhetorical effectiveness 41, 73
- Avoid ambiguous pronoun references, wordiness, and redundancy 18, 40, 52, 59

ACT Mathematics Test Question Content

Sub score (EA) Pre- Algebra/Elementary Algebra (24 Questions)

Pre-Algebra (20-25%) (12-15 questions)

- Basic operations: whole numbers, decimals, fractions, integers, square roots, approximations, factors, multiple, scientific notation and linear equations in one variable
- Ratio, proportion, and percent
- Absolute value and ordering numbers by value
- Elementary counting techniques and simple probability
- Simple descriptive statistics like mean, median and mode

Elementary Algebra (15-20%) (9-12 Questions)

- Properties of exponents and square roots
- Evaluation of algebraic expressions through substitution
- Using variables to express functional relationships
- Understanding algebraic operation and performing on polynomials
- The solution of quadratic equations by factoring

Sub score (AG) Intermediate Algebra/Coordinate Geometry (18 Questions)

Intermediate Algebra (15-20%) (9-12 Questions)

- Quadratic formula
- Rational and radical expressions
- Absolute value equations and inequalities
- Sequences and patterns
- Systems of equations
- Inequalities
- Functions
- Matrices
- Roots of polynomials
- Complex numbers

Coordinate Geometry (15-20%) (9-12 Questions)

- Graphing and the relations between equations and graphs, including points, lines, polynomials, circles, and curves
- Graphing inequalities
- Slope (**Formula**)
- Parallel and perpendicular lines
- Distance, midpoints, and conics, especially circles (**Formulas**)

Sub score (GT) Plane Geometry/Trigonometry (18 Questions)**Plane Geometry (20-25%) (12-15 Questions)**

- Properties and relations of plane figures (triangles, rectangles, parallelograms, trapezoids, and circles) (**Formulas**)
- Properties of angles and relations among parallel and perpendicular lines
- Transformations
- The concept of proof and proof techniques
- Volume and applications of geometry to three dimensions (**Formulas**)

Trigonometry (5-10%) (3-6 Questions)

- Right triangles, including Pythagorean Theorem, 30-60-90, 45-45-90 triangles
- Trigonometric functions (Formulas)
- Graphing trigonometric functions
- Use of trigonometric equations and identities

ACT Science Test Question Content**Scientific Content****Science Content (emphasis on skills and basic knowledge learned from introductory science courses)**

- Biology
- Chemistry
- Physics
- Earth/space Sciences (geology, astronomy, meteorology)

Science Reasoning

- Scientific Reasoning Skills
- Basic Mathematical Skills (no calculator allowed on test)
- Reading ability

Scientific Format (40 questions) (35 minutes)**Data Representation (30-40%) (12-16 questions)**

- Graphic material (science journals, texts)
- Tabular material (science journals, texts)
- Graph reading
- Interpretation of scatterplots
- Interpretation of information presented in tables

Research Summaries (45-55%) (18-22 questions)

- Descriptions of one or more related experiments
- Experimental Design questions
- Interpretation of Experimental Results

Conflicting Viewpoints (15-20%) (6-8 questions)

- Multiple hypotheses or views based on different premises or incomplete data
- Inconsistent with each other
- Focus on understanding, analysis and comparison of alternate viewpoint or hypotheses