

Middle Grades Mathematics

Mathematics questions make up one-fifth of each Quick Recall round. The Mathematics Written Assessment exam has balanced proportions from each category.

- 1 Number Theory
- 2 Sequences and Patterns
- 3 Absolute Value, Integers, Rational Numbers
- 4 Ratio, Proportion and Percents
- 5 Problem Solving
- 6 Systems of Measurement
- 7 Geometry: Angles, Parallel Lines, Polygons, Circles, Geometric Solids
- 8 Geometry: Measurement (Perimeter, Circumference, Area, Surface Area, Volume)
- 9 Indirect Measurement (Similar Polygons, Pythagorean Theorem, Special Right Triangles, Trigonometry)
- 10 Statistics and Data Analysis
- 11 Probability: Independent/Dependent Events, Permutation, Combinations
- 12 Algebra I: Inequalities and Absolute Value
- 13 Algebra I: Polynomials, Polynomial Factoring, Algebraic Fractions
- 14 Algebra I: Relations, Functions and Variations
- 15 Algebra I: Linear Equations and Functions
- 16 Algebra I: Radicals and Exponents
- 17 Algebra I: Quadratic Equations and Functions

Middle Grades Science

Science questions make up one-fifth of each Quick Recall round. The Science Written Assessment exam has balanced proportions from each category.

- 1 Matter: Chemical and Physical Properties, Compounds, Elements, Mixtures
- 2 Motion and Force: Inertia, Changes in Speed/Direction, Waves
- 3 Transfer of Energy: Heat Predictability, Electromagnetic Spectrum, Electricity
- 4 Living Systems' Structure and Function: Uni/Multicellular Organisms, Specialization
- 5 Regulation and Behavior: Obtaining and Using Resources, Stimuli
- 6 Reproduction and Heredity
- 7 Diversity and Adaptation of Organisms
- 8 Populations and Ecosystems: Food Webs, Sunlight & Energy, Carrying Capacity
- 9 Earth's Subsystems: Lithosphere, Atmosphere, Hydrosphere, Climate, Resources
- 10 Solar System and Beyond: Objects, Events, Gravity/Inertia, Constellations
- 11 Scientific Process: Experiments, Data Interpretation, Variables, Hypotheses, Laboratory Safety and First Aid
- 12 1950 to Present: Science, Technology, Fields of Study, Tools of Science
- 13 Plants: Resources/Uses, Diversity, Ecosystems, Evolution, Life Cycles
- 14 Animals: Diversity, Ecosystems, Evolution, Life Cycles
- 15 Fungi, Viruses and Bacteria
- 16 History of Science: Scientists, Inventions/Inventors, Technology
- 17 Health, Nutrition and Drug Awareness

Middle Grades Arts and Humanities

Arts and Humanities questions make up one-fifth of each Quick Recall round. The Arts and Humanities Written Assessment exam has balanced proportions from each category.

- 1 Visual Arts: Elements of Arts, Principles of Design, Media, Processes, Purposes of Art
- 2 Visual Artists and Their Works, Historical/Cultural Aspects of Art
- 3 Architecture, Architects, National Landmarks
- 4 Elements of Music: Rhythm, Tempo, Harmony, Form, Dynamics, etc.
- 5 Composers and their Works--Emphasis on Classical and Baroque
- 6 Musical Instruments—including traditional Spanish, Asian, European Folk, American Folk, Contemporary Orchestra etc.
- 7 Purposes and Styles of Music—Latin musical styles, Medieval (e.g. Gregorian chant), gospel, popular, ballads, etc
- 8 Dance: Elements, Movements, Famous Dancers and Choreographers
- 9 Dance: Historical/Cultural Aspects
- 10 World Religions and Holidays, Religious Leaders and History
- 11 World Cultures
- 12 Mythology: Gods and Goddesses (Emphasis on Greek/Roman)
- 13 Mythology: Characters, Themes (Emphasis on Greek/Roman)
- 14 Drama/Theater: Elements, Format, Production Terms
- 15 Drama/Theater: Historical/Cultural Aspects, Broadway Plays
- 16 Modern Heroes and Heroines, Role Models
- 17 Sports, Games and Leisure Activities

Middle Grades Language Arts

Language Arts questions make up one-fifth of each Quick Recall round. The Language Arts Written Assessment exam has balanced proportions from each category.

- 1 Classic American Novels (Early American to 1900)
- 2 Newbery Award Winners
- 3 Classic Children's Novels
- 4 Contemporary Children's and Young Adult Literature
- 5 Biographies and Nonfiction
- 6 Famous Poets and Poetry, Plays and Playwrights
- 7 Contemporary Poets and Poetry, Plays and Playwrights
- 8 Short Stories: Authors, Titles, Characters, Themes
- 9 Fables, Folklore, Tall Tales, Fairy Tales: Authors and Characters
- 10 Grammar: Types of Sentences, Phrases, Clauses, Mechanics, Language Usage
- 11 Grammar: Punctuation (including the use of colons and semicolons), Sentence Structure, Capitalization
- 12 Parts of Speech and Their Usage
- 13 Communication Skills: Forms of Writing (short story, play, feature article, letter etc), Speaking Skills, Famous Speeches
- 14 Vocabulary: Spelling
- 15 Vocabulary: Definitions and Word Origins
- 16 Common Foreign Words and Phrases
- 17 Literary Elements, Devices and Techniques

Middle Grades Social Studies

Social Studies questions make up one-fifth of each Quick Recall round. The Social Studies Written Assessment exam has balanced proportions from each category.

- 1 Current History: People and Events of the Last 2 Years
- 2 U.S. Geography (Including Kentucky)
- 3 World Geography: Physical/Political Geography, Maps
- 4 Geography: Climate, Land, Resources, Map Skills
- 5 World Civilization: Ancient Africa and Egypt, River Valleys, Fertile Crescent, India and China
- 6 World Civilization: Greece and Rome
- 7 World Civilization: Middle Ages
- 8 World Civilization: Renaissance and Reformation
- 9 World Civilization: Age of Exploration
- 10 U.S. History: Prehistory, Native American Cultures, Exploration
- 11 U.S. History: Colonial Period (1500-1775)
- 12 U.S. History: Becoming a New Nation (1775-1815)
- 13 U.S. History: The Nation Grows (1815-1860)
- 14 U.S. History: Civil War and Reconstruction
- 15 U.S. History: Presidents and Great Political Figures
- 16 U.S. Government (Major Documents and Citizenship)
- 17 Economic: Principles, Practices, Money/Banking, Economic Systems