

VIRGINIA MATH STANDARDS

UNDERSTANDING THE VIRGINIA MATH STANDARDS: A COMPREHENSIVE GUIDE FOR EDUCATORS AND PARENTS

VIRGINIA MATH STANDARDS SERVE AS THE FOUNDATIONAL BLUEPRINT FOR MATHEMATICS EDUCATION ACROSS THE COMMONWEALTH, OUTLINING WHAT STUDENTS ARE EXPECTED TO KNOW AND BE ABLE TO DO AT EACH GRADE LEVEL. THESE STANDARDS ARE NOT STATIC; THEY EVOLVE TO REFLECT CURRENT RESEARCH IN MATHEMATICS EDUCATION AND THE CHANGING DEMANDS OF THE 21ST CENTURY. FOR EDUCATORS, PARENTS, AND STUDENTS ALIKE, A THOROUGH UNDERSTANDING OF THESE STANDARDS IS PARAMOUNT TO ENSURING EFFECTIVE TEACHING, SUCCESSFUL LEARNING, AND ULTIMATELY, A ROBUST MATHEMATICAL FOUNDATION. THIS ARTICLE WILL DELVE INTO THE CORE COMPONENTS OF THE VIRGINIA MATH STANDARDS, EXPLORING THEIR STRUCTURE, KEY LEARNING AREAS, AND THEIR IMPACT ON CURRICULUM DEVELOPMENT AND CLASSROOM PRACTICE. WE WILL ALSO TOUCH UPON HOW THESE STANDARDS ARE IMPLEMENTED AND ASSESSED, PROVIDING A HOLISTIC VIEW OF THEIR SIGNIFICANCE IN SHAPING MATHEMATICAL PROFICIENCY FOR VIRGINIA'S YOUTH.

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UNDERSTANDING THE VIRGINIA MATH STANDARDS FRAMEWORK

THE VIRGINIA MATH STANDARDS OF LEARNING (SOL) REPRESENT A COMPREHENSIVE SET OF EXPECTATIONS FOR WHAT STUDENTS SHOULD LEARN IN MATHEMATICS FROM KINDERGARTEN THROUGH HIGH SCHOOL. THESE STANDARDS ARE DESIGNED TO FOSTER A DEEP CONCEPTUAL UNDERSTANDING OF MATHEMATICAL PRINCIPLES, RATHER THAN JUST ROTE MEMORIZATION OF PROCEDURES. THEY ARE BUILT UPON RESEARCH-BASED PEDAGOGY AND AIM TO EQUIP STUDENTS WITH THE CRITICAL THINKING, PROBLEM-SOLVING, AND REASONING SKILLS NECESSARY FOR SUCCESS IN AN INCREASINGLY DATA-DRIVEN WORLD. THE FRAMEWORK EMPHASIZES A PROGRESSION OF LEARNING, WHERE CONCEPTS ARE INTRODUCED, DEVELOPED, AND THEN EXTENDED ACROSS GRADE LEVELS, ENSURING A COHERENT AND CONNECTED MATHEMATICAL JOURNEY FOR EVERY STUDENT.

THE DEVELOPMENT OF THE VIRGINIA MATH STANDARDS INVOLVES A COLLABORATIVE PROCESS, DRAWING INPUT FROM EDUCATORS, CURRICULUM SPECIALISTS, AND SUBJECT MATTER EXPERTS. THIS ENSURES THAT THE STANDARDS ARE PRACTICAL, ACHIEVABLE, AND ALIGNED WITH BEST PRACTICES IN MATHEMATICS EDUCATION. THE ULTIMATE GOAL IS TO CREATE MATHEMATICALLY LITERATE CITIZENS WHO CAN CONFIDENTLY ENGAGE WITH QUANTITATIVE INFORMATION IN THEIR ACADEMIC PURSUITS, PROFESSIONAL LIVES, AND EVERYDAY EXPERIENCES. IT'S ABOUT BUILDING CONFIDENCE AND COMPETENCE, ONE CONCEPT AT A TIME.

KEY STRANDS AND CONCEPTS IN VIRGINIA MATH STANDARDS

THE VIRGINIA MATH STANDARDS ARE ORGANIZED INTO SEVERAL INTERCONNECTED STRANDS, WHICH REPRESENT THE MAJOR AREAS OF MATHEMATICAL STUDY. THESE STRANDS WORK TOGETHER TO PROVIDE A WELL-ROUNDED MATHEMATICAL EDUCATION, ENSURING THAT STUDENTS DEVELOP A BROAD RANGE OF SKILLS AND UNDERSTANDING. BY FOCUSING ON THESE CORE AREAS, THE STANDARDS AIM TO BUILD A STRONG MATHEMATICAL FOUNDATION THAT CAN BE APPLIED TO DIVERSE SITUATIONS.

NUMBER AND NUMBER SENSE

THIS FUNDAMENTAL STRAND FOCUSES ON UNDERSTANDING NUMBERS, THEIR RELATIONSHIPS, AND HOW THEY ARE REPRESENTED. STUDENTS LEARN ABOUT COUNTING, PLACE VALUE, OPERATIONS WITH WHOLE NUMBERS AND FRACTIONS, DECIMALS, AND INTEGERS. IT'S ABOUT DEVELOPING A DEEP INTUITION FOR QUANTITY AND HOW NUMBERS BEHAVE. THINK OF IT AS BUILDING THE FUNDAMENTAL VOCABULARY AND GRAMMAR OF MATHEMATICS.

MEASUREMENT AND GEOMETRY

THIS STRAND INVOLVES UNDERSTANDING CONCEPTS OF MEASUREMENT (LENGTH, WEIGHT, CAPACITY, TIME, TEMPERATURE, MONEY) AND THE PROPERTIES OF GEOMETRIC SHAPES IN TWO AND THREE DIMENSIONS. STUDENTS LEARN TO MEASURE, COMPARE, AND CONVERT UNITS, AS WELL AS TO IDENTIFY, CLASSIFY, AND ANALYZE GEOMETRIC FIGURES. THIS STRAND CONNECTS MATHEMATICAL CONCEPTS TO THE REAL WORLD, HELPING STUDENTS UNDERSTAND SPATIAL REASONING AND THE QUANTITATIVE ASPECTS OF THEIR SURROUNDINGS.

PROBABILITY AND STATISTICS

HERE, STUDENTS LEARN TO COLLECT, ORGANIZE, REPRESENT, AND INTERPRET DATA. THEY EXPLORE CONCEPTS OF PROBABILITY, CHANCE, AND DATA ANALYSIS TO MAKE INFORMED DECISIONS AND PREDICTIONS. THIS IS CRUCIAL FOR DEVELOPING CRITICAL THINKING SKILLS AND UNDERSTANDING HOW DATA CAN BE USED TO TELL STORIES AND REVEAL PATTERNS IN THE WORLD AROUND US.

PATTERNS, FUNCTIONS, AND ALGEBRA

THIS STRAND INTRODUCES STUDENTS TO THE STUDY OF RELATIONSHIPS AND PATTERNS. THEY LEARN TO IDENTIFY, DESCRIBE, AND EXTEND PATTERNS, AND TO USE ALGEBRAIC SYMBOLS TO REPRESENT MATHEMATICAL RELATIONSHIPS. THIS INCLUDES AN INTRODUCTION TO VARIABLES, EQUATIONS, AND INEQUALITIES, LAYING THE GROUNDWORK FOR MORE ADVANCED ALGEBRAIC CONCEPTS. IT'S ABOUT UNDERSTANDING THE LANGUAGE OF CHANGE AND HOW THINGS RELATE TO ONE ANOTHER.

KINDERGARTEN THROUGH GRADE 5: BUILDING FOUNDATIONAL SKILLS

THE EARLY ELEMENTARY GRADES ARE CRITICAL FOR ESTABLISHING A STRONG FOUNDATION IN MATHEMATICS. THE VIRGINIA MATH STANDARDS FOR KINDERGARTEN THROUGH FIFTH GRADE ARE METICULOUSLY DESIGNED TO INTRODUCE AND REINFORCE CORE MATHEMATICAL CONCEPTS IN AN AGE-APPROPRIATE AND ENGAGING MANNER. STUDENTS BEGIN BY DEVELOPING NUMBER SENSE, INCLUDING COUNTING, NUMBER RECOGNITION, AND UNDERSTANDING THE PROPERTIES OF WHOLE NUMBERS. OPERATIONS LIKE ADDITION AND SUBTRACTION ARE INTRODUCED WITH CONCRETE MANIPULATIVES AND VISUAL AIDS, GRADUALLY PROGRESSING TO ABSTRACT REPRESENTATIONS.

AS STUDENTS MOVE THROUGH THESE GRADES, THE COMPLEXITY OF MATHEMATICAL IDEAS EXPANDS. BY FIFTH GRADE, THEY ARE EXPECTED TO UNDERSTAND FRACTIONS AND DECIMALS, PERFORM MULTI-DIGIT MULTIPLICATION AND DIVISION, AND BEGIN TO GRASP BASIC GEOMETRIC PRINCIPLES AND DATA ANALYSIS. THE EMPHASIS IS ON BUILDING CONCEPTUAL UNDERSTANDING AND FLUENCY, ENSURING THAT STUDENTS DON'T JUST MEMORIZE ALGORITHMS BUT TRULY UNDERSTAND WHY THEY WORK. THIS SOLID FOUNDATION IS ESSENTIAL FOR SUCCESS IN LATER GRADES.

- EARLY NUMBER RECOGNITION AND COUNTING
- INTRODUCTION TO ADDITION AND SUBTRACTION USING MANIPULATIVES
- UNDERSTANDING PLACE VALUE UP TO THOUSANDS

- DEVELOPING FLUENCY WITH MULTIPLICATION AND DIVISION FACTS
- EXPLORING BASIC FRACTIONS AND THEIR EQUIVALENCE
- INTRODUCTION TO GEOMETRIC SHAPES AND THEIR ATTRIBUTES
- BEGINNING DATA REPRESENTATION AND INTERPRETATION

MIDDLE SCHOOL MATHEMATICS: DEEPENING UNDERSTANDING AND APPLICATION

THE MIDDLE SCHOOL YEARS (GRADES 6-8) REPRESENT A CRUCIAL TRANSITION PERIOD IN MATHEMATICS EDUCATION, WHERE STUDENTS DELVE DEEPER INTO ABSTRACT CONCEPTS AND BEGIN TO APPLY THEIR KNOWLEDGE TO MORE COMPLEX PROBLEMS. THE VIRGINIA MATH STANDARDS FOR THIS LEVEL FOCUS ON BUILDING UPON THE FOUNDATIONAL SKILLS ACQUIRED IN ELEMENTARY SCHOOL AND PREPARING STUDENTS FOR THE RIGORS OF HIGH SCHOOL MATHEMATICS. STUDENTS ENGAGE WITH A WIDER RANGE OF NUMBER SYSTEMS, INCLUDING RATIONAL AND IRRATIONAL NUMBERS, AND DEVELOP A MORE SOPHISTICATED UNDERSTANDING OF PROPORTIONAL REASONING, WHICH IS A CORNERSTONE FOR MANY FUTURE MATHEMATICAL CONCEPTS.

ALGEBRAIC THINKING TAKES CENTER STAGE IN MIDDLE SCHOOL. STUDENTS LEARN TO SOLVE LINEAR EQUATIONS AND INEQUALITIES, WORK WITH FUNCTIONS, AND EXPLORE THE RELATIONSHIPS BETWEEN DIFFERENT MATHEMATICAL REPRESENTATIONS, SUCH AS TABLES, GRAPHS, AND EQUATIONS. GEOMETRY BECOMES MORE FORMAL, WITH AN EMPHASIS ON UNDERSTANDING ANGLES, PARALLEL LINES, TRIANGLES, AND THE PYTHAGOREAN THEOREM. PROBABILITY AND STATISTICS ARE ALSO EXPANDED, WITH STUDENTS LEARNING TO ANALYZE DATA SETS, CALCULATE PROBABILITIES OF COMPOUND EVENTS, AND MAKE INFERENCES. THE OVERARCHING GOAL IS TO FOSTER A PROBLEM-SOLVING MINDSET AND ENCOURAGE STUDENTS TO SEE THE CONNECTIONS BETWEEN DIFFERENT MATHEMATICAL IDEAS AND THEIR REAL-WORLD APPLICATIONS.

RATIOS AND PROPORTIONAL RELATIONSHIPS

THIS AREA FOCUSES ON UNDERSTANDING AND APPLYING RATIOS AND PROPORTIONAL RELATIONSHIPS TO SOLVE PROBLEMS. STUDENTS LEARN TO ANALYZE AND SOLVE REAL-WORLD PROBLEMS INVOLVING RATIOS, RATES, AND PROPORTIONS, WHICH ARE FUNDAMENTAL TO MANY AREAS OF SCIENCE, ENGINEERING, AND FINANCE.

THE NUMBER SYSTEM

MIDDLE SCHOOL STUDENTS DEEPEN THEIR UNDERSTANDING OF THE NUMBER SYSTEM BY WORKING WITH RATIONAL NUMBERS, INCLUDING FRACTIONS, DECIMALS, AND INTEGERS. THEY LEARN TO PERFORM OPERATIONS WITH THESE NUMBERS AND TO UNDERSTAND THEIR PROPERTIES. THIS BUILDS A SOLID FOUNDATION FOR ADVANCED MATHEMATICAL CONCEPTS.

EXPRESSIONS AND EQUATIONS

THIS IS WHERE ALGEBRAIC THINKING TRULY BLOSSOMS. STUDENTS LEARN TO WRITE, INTERPRET, AND MANIPULATE ALGEBRAIC EXPRESSIONS, AS WELL AS TO SOLVE ONE-STEP AND MULTI-STEP LINEAR EQUATIONS AND INEQUALITIES. THIS EMPOWERS THEM TO REPRESENT AND SOLVE A WIDE VARIETY OF PROBLEMS.

GEOMETRY

STUDENTS EXPLORE GEOMETRIC CONCEPTS WITH INCREASING RIGOR. THEY LEARN ABOUT AREA, SURFACE AREA, VOLUME, AND THE PROPERTIES OF VARIOUS GEOMETRIC SHAPES. KEY CONCEPTS LIKE THE PYTHAGOREAN THEOREM AND THE RELATIONSHIPS

BETWEEN ANGLES AND PARALLEL LINES ARE THOROUGHLY INVESTIGATED.

STATISTICS AND PROBABILITY

MIDDLE SCHOOLERS LEARN TO ANALYZE AND INTERPRET DATA MORE DEEPLY. THEY DEVELOP SKILLS IN DRAWING INFERENCES FROM SAMPLES, ASSESSING THE LIKELIHOOD OF EVENTS, AND UNDERSTANDING BASIC PROBABILITY CONCEPTS. THIS HELPS THEM MAKE SENSE OF THE INFORMATION PRESENTED IN THE WORLD AROUND THEM.

HIGH SCHOOL MATHEMATICS: PREPARING FOR COLLEGE AND CAREERS

HIGH SCHOOL MATHEMATICS, AS DEFINED BY THE VIRGINIA MATH STANDARDS, IS DESIGNED TO PROVIDE STUDENTS WITH THE KNOWLEDGE AND SKILLS NECESSARY FOR SUCCESS IN POST-SECONDARY EDUCATION AND DIVERSE CAREER PATHS. THE CURRICULUM IS STRUCTURED TO OFFER A PROGRESSION OF COURSES, TYPICALLY INCLUDING ALGEBRA I, GEOMETRY, ALGEBRA II, AND OFTEN PRE-CALCULUS AND CALCULUS. THESE COURSES BUILD UPON THE ALGEBRAIC, GEOMETRIC, AND STATISTICAL FOUNDATIONS ESTABLISHED IN EARLIER GRADES, INTRODUCING MORE ABSTRACT REASONING AND COMPLEX PROBLEM-SOLVING TECHNIQUES.

KEY AREAS OF FOCUS INCLUDE ADVANCED ALGEBRAIC MANIPULATION, THE STUDY OF FUNCTIONS IN GREATER DEPTH (LINEAR, QUADRATIC, EXPONENTIAL, LOGARITHMIC, TRIGONOMETRIC), AND THE RIGOROUS APPLICATION OF GEOMETRIC PRINCIPLES. STUDENTS ARE ALSO EXPECTED TO MASTER STATISTICAL ANALYSIS AND DATA INTERPRETATION, OFTEN USING TECHNOLOGY TO MODEL AND ANALYZE COMPLEX DATA SETS. THE STANDARDS EMPHASIZE THE IMPORTANCE OF MATHEMATICAL REASONING, PROOF, AND THE ABILITY TO COMMUNICATE MATHEMATICAL IDEAS EFFECTIVELY. THIS COMPREHENSIVE APPROACH ENSURES THAT GRADUATES ARE WELL-PREPARED TO TACKLE QUANTITATIVE CHALLENGES IN COLLEGE OR THE WORKFORCE.

- ADVANCED ALGEBRAIC CONCEPTS AND EQUATION SOLVING
- IN-DEPTH STUDY OF VARIOUS FUNCTION TYPES
- RIGOROUS GEOMETRIC PROOFS AND THEOREMS
- TRIGONOMETRIC FUNCTIONS AND THEIR APPLICATIONS
- STATISTICAL MODELING AND DATA ANALYSIS
- INTRODUCTION TO CALCULUS CONCEPTS (DEPENDING ON COURSE SELECTION)
- EMPHASIS ON LOGICAL REASONING AND MATHEMATICAL COMMUNICATION

THE ROLE OF STANDARDS IN CURRICULUM AND INSTRUCTION

THE VIRGINIA MATH STANDARDS ARE NOT JUST A LIST OF TOPICS; THEY ARE THE DRIVING FORCE BEHIND CURRICULUM DEVELOPMENT AND INSTRUCTIONAL PRACTICES THROUGHOUT THE STATE. EDUCATORS USE THESE STANDARDS AS A ROADMAP TO DESIGN LESSON PLANS, SELECT APPROPRIATE RESOURCES, AND SEQUENCE LEARNING EXPERIENCES. THE STANDARDS ENSURE A CONSISTENT EDUCATIONAL EXPERIENCE FOR STUDENTS, REGARDLESS OF THEIR SCHOOL OR DISTRICT. THIS CONSISTENCY IS VITAL FOR SMOOTH TRANSITIONS BETWEEN GRADE LEVELS AND FOR ENSURING THAT ALL STUDENTS HAVE ACCESS TO A HIGH-QUALITY MATHEMATICS EDUCATION.

FURTHERMORE, THE STANDARDS PROMOTE A DEEPER, MORE CONCEPTUAL UNDERSTANDING OF MATHEMATICS. INSTEAD OF

TEACHING ISOLATED FACTS AND PROCEDURES, TEACHERS ARE ENCOURAGED TO FOSTER AN ENVIRONMENT WHERE STUDENTS CAN EXPLORE MATHEMATICAL IDEAS, MAKE CONNECTIONS, AND DEVELOP PROBLEM-SOLVING STRATEGIES. THIS PEDAGOGICAL SHIFT, GUIDED BY THE STANDARDS, AIMS TO CULTIVATE LIFELONG LEARNERS WHO ARE CONFIDENT AND CAPABLE IN THEIR MATHEMATICAL ABILITIES. IT'S ABOUT MAKING MATH RELEVANT AND EXCITING, NOT JUST A SUBJECT TO PASS.

ASSESSING STUDENT PROGRESS AGAINST VIRGINIA MATH STANDARDS

ASSESSING STUDENT PROGRESS IS A CRITICAL COMPONENT OF THE VIRGINIA MATH STANDARDS FRAMEWORK. THE COMMONWEALTH UTILIZES A SYSTEM OF STATE-MANDATED ASSESSMENTS, COMMONLY KNOWN AS SOL TESTS, TO MEASURE STUDENT ACHIEVEMENT AT KEY GRADE LEVELS. THESE TESTS ARE DESIGNED TO EVALUATE WHETHER STUDENTS HAVE MET THE LEARNING OBJECTIVES OUTLINED IN THE SOL DOCUMENTS. THE RESULTS OF THESE ASSESSMENTS PROVIDE VALUABLE FEEDBACK TO STUDENTS, TEACHERS, PARENTS, AND POLICYMAKERS, INFORMING INSTRUCTIONAL ADJUSTMENTS AND IDENTIFYING AREAS WHERE STUDENTS MAY NEED ADDITIONAL SUPPORT.

BEYOND STANDARDIZED TESTING, MANY EDUCATORS EMPLOY A VARIETY OF FORMATIVE AND SUMMATIVE ASSESSMENTS WITHIN THE CLASSROOM. THESE CAN INCLUDE QUIZZES, PROJECTS, PERFORMANCE TASKS, AND CLASSROOM OBSERVATIONS. THE GOAL OF THESE DIVERSE ASSESSMENT METHODS IS TO GAIN A COMPREHENSIVE UNDERSTANDING OF EACH STUDENT'S STRENGTHS AND AREAS FOR GROWTH IN RELATION TO THE VIRGINIA MATH STANDARDS. THIS ONGOING ASSESSMENT ALLOWS FOR TIMELY INTERVENTIONS AND ENSURES THAT INSTRUCTION REMAINS ALIGNED WITH STUDENT NEEDS AND THE OVERARCHING LEARNING EXPECTATIONS.

RESOURCES FOR FURTHER EXPLORATION OF VIRGINIA MATH STANDARDS

FOR THOSE SEEKING TO DELVE DEEPER INTO THE SPECIFICS OF THE VIRGINIA MATH STANDARDS, THE VIRGINIA DEPARTMENT OF EDUCATION (VDOE) WEBSITE IS THE PRIMARY AND MOST AUTHORITATIVE RESOURCE. HERE, EDUCATORS, PARENTS, AND STUDENTS CAN ACCESS THE OFFICIAL VIRGINIA MATH STANDARDS OF LEARNING DOCUMENTS FOR ALL GRADE LEVELS. THESE DOCUMENTS PROVIDE DETAILED DESCRIPTIONS OF THE EXPECTATIONS FOR EACH STRAND AND GRADE. THE VDOE ALSO OFFERS SUPPLEMENTARY RESOURCES, SUCH AS CURRICULUM FRAMEWORKS, INSTRUCTIONAL GUIDES, AND PROFESSIONAL DEVELOPMENT MATERIALS, WHICH CAN FURTHER ASSIST IN UNDERSTANDING AND IMPLEMENTING THE STANDARDS.

ADDITIONALLY, MANY SCHOOL DIVISIONS AND INDIVIDUAL SCHOOLS WITHIN VIRGINIA PROVIDE THEIR OWN INTERPRETATIONS AND ELABORATIONS OF THE STATE STANDARDS, OFTEN TAILORED TO THEIR SPECIFIC STUDENT POPULATIONS AND RESOURCES. LOCAL SCHOOL DISTRICT WEBSITES CAN BE EXCELLENT PLACES TO FIND CURRICULUM MAPS, SAMPLE LESSON PLANS, AND INFORMATION ABOUT HOW THE STANDARDS ARE BEING ADDRESSED AT THE LOCAL LEVEL. ENGAGING WITH THESE RESOURCES WILL PROVIDE A WELL-ROUNDED PERSPECTIVE ON HOW THE VIRGINIA MATH STANDARDS TRANSLATE INTO TANGIBLE LEARNING EXPERIENCES FOR STUDENTS ACROSS THE COMMONWEALTH.

FAQ: VIRGINIA MATH STANDARDS

Q: WHAT ARE THE VIRGINIA MATH STANDARDS OF LEARNING (SOL)?

A: THE VIRGINIA MATH STANDARDS OF LEARNING (SOL) ARE THE STATE-MANDATED EXPECTATIONS FOR WHAT STUDENTS SHOULD KNOW AND BE ABLE TO DO IN MATHEMATICS AT EACH GRADE LEVEL FROM KINDERGARTEN THROUGH HIGH SCHOOL. THEY OUTLINE THE ESSENTIAL KNOWLEDGE, SKILLS, AND CONCEPTS STUDENTS ARE EXPECTED TO MASTER.

Q: HOW OFTEN ARE THE VIRGINIA MATH STANDARDS UPDATED?

A: THE VIRGINIA MATH STANDARDS ARE SUBJECT TO REVIEW AND REVISION PERIODICALLY TO ENSURE THEY REMAIN CURRENT WITH RESEARCH IN MATHEMATICS EDUCATION AND THE EVOLVING NEEDS OF STUDENTS AND SOCIETY. MAJOR REVISIONS TYPICALLY OCCUR EVERY SEVERAL YEARS.

Q: WHAT ARE THE MAIN STRANDS COVERED BY THE VIRGINIA MATH STANDARDS?

A: THE VIRGINIA MATH STANDARDS ARE ORGANIZED INTO KEY STRANDS INCLUDING NUMBER AND NUMBER SENSE, MEASUREMENT AND GEOMETRY, PROBABILITY AND STATISTICS, AND PATTERNS, FUNCTIONS, AND ALGEBRA. THESE STRANDS WORK TOGETHER TO PROVIDE A COMPREHENSIVE MATHEMATICAL EDUCATION.

Q: HOW DO THE VIRGINIA MATH STANDARDS DIFFER FROM COMMON CORE STATE STANDARDS?

A: VIRGINIA PREVIOUSLY ADOPTED COMMON CORE STATE STANDARDS BUT HAS SINCE TRANSITIONED TO ITS OWN SET OF VIRGINIA STANDARDS OF LEARNING. WHILE THERE MIGHT BE SOME OVERLAPPING CONCEPTS, THE VIRGINIA SOL ARE DISTINCT AND DEVELOPED BY VIRGINIA EDUCATORS AND STAKEHOLDERS.

Q: HOW ARE THE VIRGINIA MATH STANDARDS ASSESSED?

A: STUDENT PROGRESS IS ASSESSED THROUGH A COMBINATION OF CLASSROOM-BASED ASSESSMENTS AND STATE-MANDATED STANDARDS OF LEARNING (SOL) TESTS ADMINISTERED AT VARIOUS GRADE LEVELS. THESE TESTS MEASURE PROFICIENCY AGAINST THE ESTABLISHED LEARNING OBJECTIVES.

Q: WHO IS RESPONSIBLE FOR DEVELOPING AND APPROVING THE VIRGINIA MATH STANDARDS?

A: THE VIRGINIA DEPARTMENT OF EDUCATION, IN COLLABORATION WITH EDUCATORS, SUBJECT MATTER EXPERTS, AND THE PUBLIC, IS RESPONSIBLE FOR DEVELOPING, REVIEWING, AND APPROVING THE VIRGINIA MATH STANDARDS OF LEARNING.

Q: WHERE CAN I FIND THE OFFICIAL VIRGINIA MATH STANDARDS DOCUMENTS?

A: THE OFFICIAL VIRGINIA MATH STANDARDS OF LEARNING DOCUMENTS FOR ALL GRADE LEVELS CAN BE ACCESSED ON THE VIRGINIA DEPARTMENT OF EDUCATION (VDOE) OFFICIAL WEBSITE.

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