

MRS. S' HANDS-ON MATH

SEVENTH GRADE • 20-WEEK MATH PROGRAM

LEARN IT • BUILD IT • DRAW IT • EXPLAIN IT • Hands-on activities, math talk, real-world connections, and problem solving.

WEEK	FOCUS CONCEPT	STANDARDS
THE NUMBER SYSTEM		
WEEK 1	Adding & Subtracting Rational Numbers	7.NS.A.1, 7.NS.A.1.A–B
WEEK 2	Distance & Operational Properties (Ordering Rational Numbers)	7.NS.A.1.B–D
WEEK 3	Multiplying & Dividing Signed Numbers	7.NS.A.2, 7.NS.A.2.A–C
WEEK 4	Long Division & Rational Equivalencies	7.NS.A.2.D, 7.NS.A.3
EXPRESSIONS AND EQUATIONS		
WEEK 5	Simplifying & Factoring Linear Expressions (Equivalent Expressions)	7.EE.A.1–2
WEEK 6	Solve Multi-Step Numerical Problems with Rational Numbers	7.EE.B.3
WEEK 7	Writing & Solving Multi-Step Equations	7.EE.B.4, 7.EE.B.4.A
WEEK 8	Inequalities & Number Line Graphing	7.EE.B.4.B
RATIOS & PROPORTIONAL RELATIONSHIPS		
WEEK 9	Unit Rates with Complex Fractions	7.RP.A.1
WEEK 10	Testing for Proportionality	7.RP.A.2, 7.RP.A.2.A
WEEK 11	Constants of Proportionality & Graph Interpretations	7.RP.A.2.B–D
WEEK 12	Percent Problems & Multi-Step Proportions	7.RP.A.3
GEOMETRY		
WEEK 13	Scale Drawings & Triangle Conditions	7.G.A.1, 7.G.A.2
WEEK 14	Cross-Sections & Angle Relationships	7.G.A.3, 7.G.B.5
WEEK 15	Circumference & Area of Circles	7.G.B.4
WEEK 16	Surface Area & Volume (Cubes, Right Prisms & Compound Shapes)	7.G.B.6
STATISTICS & PROBABILITY		
WEEK 17	Sampling & Population Inferences	7.SP.A.1, 7.SP.A.2
WEEK 18	Comparing Data Distributions (Mean, Median, Mode, IQR)	7.SP.B.3, 7.SP.B.4
WEEK 19	Simple Probability Models	7.SP.C.5, 7.SP.C.6, 7.SP.C.7.A–B
WEEK 20	Compound Probability & Sample Space	7.SP.C.8, 7.SP.C.8.A–C

■ **Proportional Reasoning, Algebraic Equations, and Real-World Applications** are intentionally reinforced throughout the program, with word problems woven into major units.