



Grade 7

Objectives	Suggested Manipulatives
Addition and Subtraction with Negative Numbers	Two color counters, algebra tiles, dry-erase materials
Multiplication and Division with Negative Numbers	Two color counters, algebra tiles, dry-erase materials
Proportional Relationships	Stretch-a-Block game mat , dry-erase materials, counting cubes
Percents with Increases and Decreases	Percent tiles, dry-erase materials
Unit Rates, Tables, and Graphs (G7)	Fruit Monster game mats , dry-erase materials, ST Math game mats, counting cubes, coordinate plane, xy coordinate pegboard
Rational Concepts (G7)	Two color counters, algebra tiles, dry-erase materials
Adding and Subtracting Rational Numbers	Two color counters, algebra tiles, dry-erase materials
Multiplying and Dividing Rational Numbers	Two color counters, algebra tiles, dry-erase materials
Properties of Operations	Two color counters, algebra tiles, dry-erase materials
Modeling with Expressions	Wall Factory game mat , algebra tiles, two colored counters, dry-erase materials
Solving One-Step Equations (G7)	Algebra tiles, dry-erase materials
Solving Two-Step Equations (G7)	Algebra tiles, dry-erase materials
Linear Relationships	Algebra tiles, dry-erase materials
Multi-Step Percents	Percent tiles, dry-erase materials
Applying Rates and Ratios	Dry-erase materials
Scale and Slope Graphs (G7)	4-quadrant coordinate plane, xy coordinate pegboard, algebra tiles, dry-erase materials
Polygon Angle Sums	Protractor, AngLegs®, dot paper, dry-erase materials
Probability	Dry-erase materials, colored counters, number cube
Line Plots and Summary Statistics (G7)	Graph paper, dry-erase materials