Investigations into Mathematics (IM) At-a-Glance

Marking Period 1

	Unit 1: Ratios and Proportional Relationships
Sept	• Unit 1 Topic 1: Understanding Proportional Relationships Students extend their understanding by reasoning about ratios and proportional relationships. They identify unit rates in representations of proportional relationships and work with equations in two variables to represent and analyze proportional relationships.
Sept/ Oct	• Unit 1 Topic 2: Application of Proportional Relationships Students solve multi-step ratio and percent problems. They will continue to use diagrams, models, and ratio tables, extending to solving percent problems. Students connect their work with equations to their work with tables and diagrams. They are introduced to scale drawings and determine the relationship between scale factor and proportions.
	Unit 2: Rational Number Operations
Oct/ Nov	• Unit 2 Topic 1: Building Understanding of Rational Number Operations Students extend their knowledge of the location of rational numbers on the number line to representing operations with both positive and negative rational numbers on the number line. They transition from demonstrating understanding of operations with rational numbers through multiple representations to fluency with rational number arithmetic. They are expected to demonstrate fluency with rational number arithmetic by the end of Grade 7.

Marking Period 2

Nov	• Unit 2 Topic 1: Building Understanding of Rational Number Operations *Continued* • Unit 2 Topic 2: Integrating Rational Number Operations in Expressions & Equations Students extend their understanding of properties of operations to linear expressions with rational coefficients, in both mathematical and real world context. They use the arithmetic of rational numbers to generate algebraic expressions and produce different but equivalent expressions for varied purposes. Students model, solve, and analyze multi-step equations and inequalities to represent a situation using defined variables and appropriate units.
	Unit 3: Expressing Geometric Relationships
Dec	• Unit 3 Topic 1: Measurement in Two and Three Dimensions Under construction.
Jan	• Unit 3 Topic 2: Angle Relationships Under construction.

Marking Period 3

	Unit 4: Statistics and Probability
Jan/ Feb	• Unit 4 Topic 1: Chance Events and Probability Models Under construction.
Feb	• Unit 4 Topic 2: Random Sampling Under construction.
	Unit 5: The Real Number System
Feb/ Mar	• Unit 5 Topic 1: Magnitude and Scientific Notation Under construction.
Mar	• Unit 5 Topic 2: Square and Cube Roots Under construction.
	Unit 6: Functional Relationships and Linear Equations
Mar/ Apr	• Unit 6 Topic 1: Connecting Proportional Relationships to Linear Equations Under construction.

Marking Period 4

Apr	• Unit 6 Topic 1: Connecting Proportional Relationships to Linear Equations *Continued*
	• Unit 6 Topic 2: Solving Linear Equations Under construction.
	Unit 7: Transformations and Geometric Measurement
May	• Unit 7 Topic 1: Congruence Under construction.
May	• Unit 7 Topic 2: Similarity

	Under construction.
Jun	• Unit 7 Topic 3: Volume
	Under construction.