To assist in planning and managing instructional time effectively, estimated testing times for each testlet have been provided. These ranges represent the duration, in minutes, that it took for 50% to 80% of students to complete each testlet, based on statewide data collected during the MAST pilot. Many students may complete a testlet more quickly and some students may take longer. These ranges should be considered general guidelines, with flexibility to accommodate individual student needs as necessary. The information presented in these tables aligns with the information available in the scheduler tool.

Grade	Testlet	Estimated Student Testing Time (minutes)
3	Concepts of Multiplication and Division	12-19
3	Multiplication and Division Equations	9-16
3	Multiply and Divide Within 100	8-14
3	Time, Liquid Volume, and Mass	12-18
3	Real-World Problems and Patterns	16-24
3	Place Value and Operations in Base Ten	14-22
3	Understand Fractions as Numbers	11-17
3	Compare and Find Equivalent Fractions	9-15
3	Unit Squares and Square Units	9-14
3	Solve Area Problems	11-18
3	Data and Graphing	13-19
3	Two-Dimensional Geometric Figures	10-16

* These ranges should be considered general guidelines, with flexibility to accommodate individual student needs as necessary.

Grade	Testlet	Estimated Student Testing Time (minutes)
4	Place Value in the Base Ten System	12-18
4	Addition and Subtraction Algorithms	19-25
4	Extend Concepts of Multiplication	12-19
4	Multi-Digit Multiplication	17-25
4	Multi-Digit Division	18-25
4	Real-World Problems and Patterns	15-23
4	Compare and Find Equivalent Fractions	14-21
4	Add and Subtract Fractions	13-20
4	Multiply Fractions	13-20
4	Decimal Fractions	11-17
4	Solve Measurement Problems	13-22
4	Angles and Geometry	9-13

* These ranges should be considered general guidelines, with flexibility to accommodate individual student needs as necessary.

Grade	Testlet	Estimated Student Testing Time (minutes)
5	Numerical Expressions	13-20
5	Place Value and Powers of Ten	11-16
5	Represent and Compare Decimals	7-11
5	Multiply and Divide Whole Numbers	16-24
5	Operations with Decimals	13-19
5	Add and Subtract Fractions	18-25
5	Multiply Fractions	16-25
5	Division with Fractions	14-21
5	Unit Cubes and Cubic Units	8-13
5	Solve Volume Problems	12-19
5	Understand the First Quadrant	9-13
5	Attributes of Geometric Figures	6-9

* These ranges should be considered general guidelines, with flexibility to accommodate individual student needs as necessary.

Grade	Testlet	Estimated Student Testing Time (minutes)
6	Concepts of Ratios and Unit Rates	15-22
6	Percents and Measurement Conversions	13-20
6	Divide Fractions	17-25
6	Computational Fluency	22-25
6	Rational Numbers and Absolute Value	6-9
6	Algebraic Expressions and Exponents	12-18
6	Equivalent Expressions	9-14
6	Variables in Expressions and Equations	10-15
6	Write and Interpret Inequalities	6-10
6	Solve Problems with Area and Volume	11-17
6	The Coordinate Plane	12-17
6	Concepts of Statistics	12-18

* These ranges should be considered general guidelines, with flexibility to accommodate individual student needs as necessary.

Grade	Testlet	Estimated Student Testing Time (minutes)
7	Ratios and Proportional Relationships	17-23
7	Solve Problems with Ratio and Proportion	15-23
7	Add and Subtract Rational Numbers	14-20
7	Multiply and Divide Rational Numbers	12-18
7	Expressions with Rational Numbers	14-21
7	Solving Equations	17-24
7	Solving Inequalities	14-21
7	Solve Problems with Rational Numbers	16-23
7	Angle Relationships and Triangles	12-19
7	Solve Problems with Geometric Figures	12-19
7	Measures of Center and Variability	11-17
7	Probability	12-19

* These ranges should be considered general guidelines, with flexibility to accommodate individual student needs as necessary.

Grade	Testlet	Estimated Student Testing Time (minutes)
8	Understand and Use Irrational Numbers	9-16
8	Exponent Rules and Scientific Notation	11-18
8	Understand Functions	8-13
8	Compare and Interpret Functions	11-17
8	Construct Functions	15-23
8	Linear Equations in One Variable	19-25
8	Proportional Relationships and Lines	13-19
8	Systems of Equations	15-24
8	Pythagorean Theorem	12-19
8	Geometric Transformations	10-15
8	Similarity and Congruence	9-14
8	Bivariate Data	9-13

* These ranges should be considered general guidelines, with flexibility to accommodate individual student needs as necessary.