Common Core MAP Mathematics
Khan Academy Practice Exercises Correlation
Common Core Mathematics 6+

Geometry

Congruence, Similarity, Right Triangles, & Trig

	Standards Alignment
RIT Range: 204 - 212	
Angle types	4.G.A.1
Axis of symmetry	4.G.A.3
Quadrilateral types	4.G.A.2
Recognizing angles	4.G.A.1
RIT Range: 221 - 225	
Nets of 3D figures	6.G.A.4
RIT Range: 226 - 230	
Constructing scale drawings	7.G.A.1
Slicing 3D figures	7.G.A.3
Vertical angles	7.G.B.5
RIT Range: 231 - 234	
Finding angle measures 1	8.G.A.5
Finding angle measures 2	8.G.A.5
Congruent angles	8.G.A.5
Distance formula	8.G.B.8
Exploring angle-preserving transformations and similarity	8.G.A.4
Exploring rigid transformations and congruence	8.G.A.2 | HSG-CO.B.6 | HSG-CO.B.7
Parallel lines 1	8.G.A.5
Equation practice with congruent angles	8.G.A.5
Performing transformations on the coordinate plane	8.G.A.3 | HSG-CO.A.5
Properties of rigid transformations	8.G.A.1
Pythagorean theorem	8.G.B.7
Special right triangles	8.G.B.7
Pythagorean theorem in 3D	8.G.B.7
Pythagorean Theorem proofs	8.G.B.6
Pythagorean theorem word problems	8.G.B.7
Rotation of polygons	8.G.A.1

Geometry

Congruence, Similarity, Right Triangles, & Trig

	Standards Alignment
RIT Range: 231 - 234	
Translations of polygons	8.G.A.1
RIT Range: > 235	
Applying right triangles	HSG-SRT.C.7 | HSG-SRT.C.8
Congruency postulates	HSG-CO.B.7 | HSG-CO.B.8
Congruent triangles 1	HSG-CO.B.6
Congruent triangles 2	HSG-CO.B.6
Compass constructions 1	HSG-CO.D.12
Compass constructions 2	HSG-CO.D.13
Defining congruence through rigid transformations	HSG-CO.B.6 | HSG-CO.B.7
Defining similarity through angle-preserving transformations	HSG-SRT.A.2 | HSG-SRT.A.3
Dilations	HSG-SRT.A.1
Exploring rigid transformations and congruence	8.G.A.2 | HSG-CO.B.6 | HSG-CO.B.7
Line and angle proofs	HSG-CO.C.9
Performing transformations on the coordinate plane	8.G.A.3 | HSG-CO.A.5
Qualitatively defining rigid transformations	HSG-CO.A.2
Quantitatively defining rigid transformations	HSG-CO.A.2
Similar triangles 1	HSG-SRT.A.3
Similar triangles 2	HSG-SRT.A.3
Solving similar triangles 1	HSG-SRT.A.3
Solving similar triangles 2	HSG-SRT.B.5
Solving problems with similar and congruent triangles	HSG-SRT.B.5
Symmetry of two-dimensional shapes	HSG-CO.A.3
Transforming polygons	HSG-CO.A.5
Trigonometric functions and side ratios in right triangles	HSG-SRT.C.6 | HSG-SRT.C.7

Geometry

Geometric Measurement and Relationships

	Standards Alignment
RIT Range: < 160	
Comparing shapes	K.G.B.4
Composing shapes	K.G.B.6
Naming shapes	K.G.A.1
RIT Range: 161 - 178	
Attributes of shapes	1.G.A.1
Measuring lengths 1	1.MD.A.2
RIT Range: 179 - 191	
Comparing lengths	2.MD.A.4
Estimating lengths	2.MD.A.3
Length word problems	2.MD.B.5
Measuring lengths 2	2.MD.A.1
Measuring lengths with different units	2.MD.A.2
Recognizing shapes	2.G.A.1
RIT Range: 192 - 203	
Area and the distributive property	3.MD.C.7
Comparing area and perimeter	3.MD.D.8
Comparing areas by multiplying	3.MD.C.7 | 3.MD.C.7b
Creating line plots 2	3.MD.B.4
Decompose shapes to find area	3.MD.C.7
Finding area by multiplying	3.MD.C.7
Arithmetic word problems with mass	3.MD.A.2
Measuring area with unit squares	3.MD.C.6
Perimeter 1	3.MD.D.8
Finding perimeter	3.MD.D.8
Perimeter 2	3.MD.D.8
Understanding area	3.MD.C.5 | 3.MD.C.5b
Arithmetic word problems with volume	3.MD.A.2

Geometry

Geometric Measurement and Relationships

	Standards Alignment
RIT Range: 204 - 212	
Angle types	4.G.A.1
Area problems	4.MD.A.3
Area and perimeter of rectangles word problems	4.MD.A.3
Benchmark angles	4.MD.C.5
Classifying shapes by line and angle types	4.G.A.2
Decomposing angles	4.MD.C.7
Drawing angles	4.MD.C.6
Drawing rays, lines, and line segments	4.G.A.1
Drawing right, acute, and obtuse angles	4.G.A.1
Converting to smaller units	4.MD.A.1
Converting to smaller units word problems (metric)	4.MD.A.2
Converting to smaller units word problems (US customary)	4.MD.A.2
Measuring angles	4.MD.C.6
Converting money word problems	4.MD.A.2
Time word problems	4.MD.A.2
Naming angles	4.MD.C.5
Quadrilateral types	4.G.A.2
Recognizing rays, lines, and line segments	4.G.A.1
Recognizing angles	4.G.A.1
Recognizing parallel and perpendicular lines	4.G.A.1
Recognizing triangle types	4.G.A.2
Understanding angles	4.MD.C.5
Unit sense	4.MD.A.1
RIT Range: 213 - 220	
Converting measurements word problems	5.MD.A.1
Converting units	5.MD.A.1
Coordinate plane word problems in the first quadrant	5.G.A.2
Decompose figures to find volume	5.MD.C.5 | 5.MD.C.5c

Geometry

Geometric Measurement and Relationships

	Standards Alignment
RIT Range: 213 - 220	
Graphing points	5.G.A.2
Properties of shapes	5.G.B.3
Visually understanding multiplying fractions and whole numbers	5.NF.B.4b
Understanding multiplying fractions by fractions	5.NF.B.4b
Volume 1	5.MD.C.5 | 5.MD.C.5b
Volume word problems	5.MD.C.5 | 5.MD.C.5b | 5.MD.C.5c
Volume with unit cubes 1	5.MD.C.4 | 5.MD.C.5
Volume formula intuition	5.MD.C.5
Comparing volumes with unit cubes	5.MD.C.4 | 5.MD.C.5 | 5.MD.C.5b
RIT Range: 221 - 225	
Area of parallelograms	6.G.A.1
Area of triangles	6.G.A.1
Area of quadrilaterals and polygons	6.G.A.1
Area of triangles 2	6.G.A.1
Area of trapezoids, rhombi, and kites	6.G.A.1
Finding area by composing and decomposing shapes	6.G.A.1
Coordinate plane problems in all four quadrants	6.G.A.3
Drawing polygons	6.G.A.3
Drawing polygons 2	6.G.A.3
Nets of 3D figures	6.G.A.4
Rectangles on the coordinate plane	6.G.A.3
Surface area using nets	6.G.A.4
Surface area	6.G.A.4
Volume with fractions	6.G.A.2
Volume with unit cubes 2	6.G.A.2
Volume word problems with fractions and decimals	6.G.A.2
RIT Range: 226 - 230	
Area of a circle	7.G.B.4

Geometry

Geometric Measurement and Relationships

	Standards Alignment
RIT Range: 226 - 230	
Area and circumference of circles	7.G.B.4
Area, volume, and surface area	7.G.B.6
Complementary and supplementary angles	7.G.B.5
Congruent segments	7.NS.A.1c
Constructing 2D figures	7.G.A.2
Constructing scale drawings	7.G.A.1
Constructing triangles	7.G.A.2
Interpreting scale drawings	7.G.A.1
Measuring segments	7.NS.A.1b
Quadrilateral angles	7.G.B.5
Radius, diameter, and circumference	7.G.B.4
Slicing 3D figures	7.G.A.3
Solving for unknown angles	7.G.B.5
Vertical angles	7.G.B.5
RIT Range: 231 - 234	
Parallel lines 1	8.G.A.5
Parallel lines 2	8.G.A.5
Solid geometry	8.G.C.9
Volume word problems with cones, cylinders, and spheres	8.G.C.9 | HSG-GMD.A.3
RIT Range: > 235	
Areas of circles and sectors	HSG-C.B.5
Radians and arc length	HSG-C.B.5
Central, inscribed, and circumscribed angles	HSG-C.A.2 | HSG-C.A.3
Circles and arcs	HSG-C.B.5
Constructing a line tangent to a circle	HSG-C.A.4
Coordinate plane word problems with polygons	HSG-GPE.B.7
Cross sections of 3D objects	HSG-GMD.B.4
Defining similarity through angle-preserving transformations	HSG-C.A.1

Geometry

Geometric Measurement and Relationships

	Standards Alignment
RIT Range: > 235	
Dividing line segments	HSG-GPE.B.6
Equation of a circle in factored form	HSG-GPE.A.1
Equation of a circle in non-factored form	HSG-GPE.A.1
Geometry problems on the coordinate plane	HSG-GPE.B.4
Inscribed angles 1	HSG-C.A.2
Inscribing and circumscribing circles on a triangle	HSG-C.A.3
Equations of parallel and perpendicular lines	HSG-GPE.B.5
Midpoint formula	HSG-GPE.B.6
Parabola intuition 1	HSG-GPE.A.2
Parabola intuition 2	HSG-GPE.A.2
Parabola intuition 3	HSG-GPE.A.2
Pythagorean theorem and the equation of a circle	HSG-GPE.A.1
Rotate 2D shapes to make 3D objects	HSG-GMD.B.4
Surface and volume density word problems	HSG-MG.A.2
Volume word problems with cones, cylinders, and spheres	8.G.C.9 | HSG-GMD.A.3

Operations and Algebraic Thinking

Expressions and Equations

	Standards Alignment
RIT Range: 221 - 225	
Order of operations	6.EE.A.1
RIT Range: 226 - 230	
Order of operations with negative numbers	7.EE.A.3
RIT Range: < 160	
Put together	K.OA.A.1
Take apart	K.OA.A.1
RIT Range: 161 - 178	
Adding three numbers	1.OA.A.2

Operations and Algebraic Thinking

Expressions and Equations

	Standards Alignment
RIT Range: 161 - 178	
Addition and subtraction within 10	1.OA.D.8
Addition and subtraction word problems within 20: Level 1	1.OA.A.1
Addition and subtraction word problems within 20: Level 2	1.OA.A.1
Addition and subtraction word problems within 20: Level 3	1.OA.A.1
Addition and subtraction word problems within 20: Level 4	1.OA.A.1
Meaning of equal sign 1	1.OA.D.7
Relate addition and subtraction	1.OA.B.4
Teen numbers 2	1.NBT.B.2
Teen numbers 3	1.NBT.B.2
Understanding 2-digit numbers	1.NBT.B.2
RIT Range: 179 - 191	
Addition and subtraction word problems within 100: Level 1	2.OA.A.1
Addition and subtraction word problems within 100: Level 2	2.OA.A.1
Addition and subtraction word problems within 100: Level 3	2.OA.A.1
Addition and subtraction word problems within 100: Level 4	2.OA.A.1
Add within 1000: Level 1	2.NBT.B.7
Add within 1000: Level 2	2.NBT.B.7
Comparing lengths	2.OA.A.1
Length word problems	2.OA.A.1
Solving problems with picture graphs 1	2.OA.A.1
Subtract within 1000: Level 1	2.NBT.B.7
Subtract within 1000: Level 2	2.NBT.B.7
RIT Range: 192 - 203	
Addition within 100	3.NBT.A.2
Addition within 1000	3.NBT.A.2
Basic division	3.OA.A.4
1-digit division	3.OA.A.4
Addition using groups of 10 and 100	3.NBT.A.2

Operations and Algebraic Thinking

Expressions and Equations

	Standards Alignment
RIT Range: 192 - 203	
Meaning of multiplication	3.OA.A.1
Multiplication using place value understanding	3.OA.B.5
Properties of multiplication	3.OA.B.5
Relate division to multiplication	3.OA.B.6
Relate division to multiplication word problems	3.OA.B.6
Solving basic multiplication and division equations	3.OA.A.4
Subtraction within 100	3.NBT.A.2
Subtraction within 1000	3.NBT.A.2
Two-step word problems with addition, subtraction, multiplication, and division	3.OA.D.8
RIT Range: 204 - 212	
Multiplication and division word problems	4.OA.A.2
Comparing with multiplication	4.OA.A.1
Multiplication without carrying	4.NBT.B.5
Multiplication with carrying	4.NBT.B.5
Multiplying 2 digits by 2 digits	4.NBT.B.5
Multiplying 2 digits by 2 digits with area models	4.NBT.B.5
Multiplying 4 digits by 1 digit with visual models	4.NBT.B.5
Multi-step word problems with whole numbers	4.OA.A.3
RIT Range: 213 - 220	
Adding fractions with unlike denominators	5.NF.A.1
Adding and subtracting mixed numbers with unlike denominators	5.NF.A.1
Creating expressions with parentheses	5.OA.A.2
Division by 2 digits	5.NBT.B.6
Evaluating expressions with parentheses	5.OA.A.1
Multiplying and dividing decimals by powers of 10	5.NBT.A.2
Multiplying and dividing whole numbers by powers of 10	5.NBT.A.2
Multiplying fractions by fractions word problems	5.NF.B.6

Operations and Algebraic Thinking

Expressions and Equations

	Standards Alignment
RIT Range: 213 - 220	
Powers of ten	5.NBT.A.2
Subtracting fractions with unlike denominators	5.NF.A.1
Translating expressions with parentheses	5.OA.A.2
Understanding moving the decimal	5.NBT.A.2
RIT Range: 221 - 225	
Combining like terms	6.EE.A.3
Dependent and independent variables	6.EE.C.9
Constructing linear equations word problems	6.EE.B.6 | 6.EE.B.7
Equivalent forms of expressions 1	6.EE.A.3 | 6.EE.A.4
Evaluating expressions in one variable	6.EE.A.2c
Evaluating expressions in 2 variables	6.EE.A.2c
Evaluating expressions with variables word problems	6.EE.A.2 | 6.EE.A.2c
Evaluating expressions with exponents	6.EE.A.1
Evaluating exponent expressions word problems	6.EE.A.1
Identifying parts of expressions	6.EE.A.2b
Inequalities on a number line	6.EE.B.8
Using inequalities to describe real-world contexts	6.EE.B.6 | 6.EE.B.8
One-step equations with multiplication	6.EE.B.7 | HSA-REI.B.3
One step equation intuition	6.EE.B.7
One-step equations with addition and subtraction	6.EE.B.7 | HSA-REI.B.3
Positive and zero exponents	6.EE.A.1
Testing solutions of equations and inequalities word problems	6.EE.B.5
Testing solutions of equations and inequalities	6.EE.B.5
Writing expressions	6.EE.A.2 | 6.EE.A.2a | 6.EE.A.2b
Writing expressions 2	6.EE.A.2 | 6.EE.A.2a | 6.EE.A.2b
Writing expressions with exponents	6.EE.A.1
Writing expressions with variables word problems	6.EE.A.2 | 6.EE.A.2a
Writing expressions with exponents word problems	6.EE.A.1

Operations and Algebraic Thinking

Expressions and Equations

	Standards Alignment
RIT Range: 226 - 230	
Average word problems	7.EE.B.3
Combining like terms with distribution	7.EE.A.1
Discount, tax, and tip word problems	7.EE.B.3
Interpreting linear expressions	7.EE.A.2
Interpreting and solving linear inequalities	7.EE.B.4b
Two-step equations	7.EE.B.4 | 7.EE.B.4a | HSA-REI.B.3
Linear equation word problems	7.EE.B.4 | 7.EE.B.4a
Manipulating linear expressions with rational coefficients	7.EE.A.1
Markup and commission word problems	7.EE.B.3
Multi-step rational number word problems	7.EE.B.3
One-step inequalities	7.EE.B.4b | HSA-REI.B.3
Two-step inequalities	7.EE.B.4b
RIT Range: 231 - 234	
Age word problems	8.EE.C.8 | 8.EE.C.8c
Equation practice with angle addition	8.EE.C.7b
Rates and proportional relationships	8.EE.B.5
Computing in scientific notation	8.EE.A.4
Constructing consistent and inconsistent systems	8.EE.C.8a | 8.EE.C.8b
Converting multi-digit repeating decimals to fractions	8.EE.C.7
Cube roots	8.EE.A.2
Using exponent rules to evaluate expressions	8.EE.A.1
Positive and negative exponents	8.EE.A.1
Graphing systems with one, zero, or infinite solutions	8.EE.C.8a
Graphing systems of equations	8.EE.C.8 | 8.EE.C.8a | HSA-REI.C.6
Graphing proportional relationships	8.EE.B.5
Equation practice: summing integers	8.EE.C.7b
Equations with variables on both sides	8.EE.C.7 | 8.EE.C.7b | HSA-REI.B.3
Equation practice with midpoints	8.EE.C.7b

Operations and Algebraic Thinking

Expressions and Equations

	Standards Alignment
RIT Range: 231 - 234	
Multiplying and dividing scientific notation	8.EE.A.4
Multi-step equations with distribution	8.EE.C.7 | 8.EE.C.7b | HSA-REI.B.3
Orders of magnitude	8.EE.A.3
Properties of exponents	8.EE.A.1
Scientific notation	8.EE.A.4
Scientific notation intuition	8.EE.A.4
Equation practice with segment addition	8.EE.C.7b
Slope and triangle similarity	8.EE.B.6
Systems with one, zero, or infinite solutions	8.EE.C.8 | HSA-REI.C.6
Linear equations with one, zero, or infinite solutions	8.EE.C.7 | 8.EE.C.7a
Square roots of perfect squares	8.EE.A.2
Systems of equations	8.EE.C.8 | 8.EE.C.8a | 8.EE.C.8b | HSA-REI.C.6
Systems of equations with elimination	8.EE.C.8 | 8.EE.C.8b
Systems of equations with simple elimination	8.EE.C.8 | 8.EE.C.8b
Systems of equations with substitution	8.EE.C.8 | 8.EE.C.8b
Systems of equations word problems	8.EE.C.8 | 8.EE.C.8c | HSA-REI.C.6
Understanding systems of equations word problems	8.EE.C.8 | 8.EE.C.8a | 8.EE.C.8b | 8.EE.C.8c
Equation practice with vertical angles	8.EE.C.7b
RIT Range: > 235	
Adding and subtracting polynomials	HSA-APR.A.1
Solving quadratics by completing the square 1	HSA-REI.B.4 | HSA-REI.B.4a | HSA-SSE.B.3 | HSA-SSE.B.3b
Solving quadratics by completing the square 2	HSA-REI.B.4 | HSA-REI.B.4a | HSA-SSE.B.3 | HSA-SSE.B.3b
Completing the square in quadratic expressions	HSA-SSE.B.3b
Compound inequalities	HSA-REI.B.3
Equivalent forms of exponential expressions	HSA-SSE.B.3 | HSA-SSE.B.3c
Equivalent forms of polynomial expressions	HSA-SSE.A.2
Expressions with unknown variables	HSA-SSE.A.2

Operations and Algebraic Thinking

Expressions and Equations

Standards Alignment

RIT Range: > 235

Expressions with unknown variables 2	HSA-SSE.A.2
Factoring difference of squares 1	HSA-SSE.A.2
Factoring difference of squares 2	HSA-SSE.A.2
Factoring difference of squares 3	HSA-SSE.A.2
Factoring linear binomials	HSA-SSE.A.2
Factoring quadratics 1	HSA-SSE.A.2 | HSA-SSE.B.3 | HSA-SSE.B.3a
Factoring quadratics 2	HSA-SSE.A.2
Factoring polynomials by grouping	HSA-SSE.A.2
Factoring quadratics with two variables	HSA-SSE.A.2
Graphing linear inequalities in two variables	HSA-REI.D.12
Graphing and solving linear inequalities	HSA-REI.D.12
Graphing systems of equations	8.EE.C.8 | 8.EE.C.8a | HSA-REI.C.6
Graphing systems of inequalities	HSA-REI.D.12
Graphing and solving systems of inequalities	HSA-REI.D.12
Graphs of inequalities in two variables	HSA-REI.D.12
Interpreting graphs of linear and nonlinear functions	HSA-REI.D.10
Interpreting the structure of expressions	HSA-SSE.A.1 | HSA-SSE.A.1a | HSA-SSE.A.1b
Intersecting functions	HSA-REI.D.11
Finding and interpreting key features of quadratics	HSA-SSE.B.3 | HSA-SSE.B.3a | HSA-SSE.B.3b
One-step equations with multiplication	6.EE.B.7 | HSA-REI.B.3
Two-step equations	7.EE.B.4 | 7.EE.B.4a | HSA-REI.B.3
Equations with variables on both sides	8.EE.C.7 | 8.EE.C.7b | HSA-REI.B.3
Multi-step linear inequalities	HSA-REI.B.3
Manipulating formulas	HSA-CED.A.4
Modeling constraints with two-variable inequalities	HSA-CED.A.3
Modeling with two-variable equations and graphs	HSA-CED.A.2
Multiplying binomials 1	HSA-APR.A.1
Multiplying binomials 2	HSA-APR.A.1
Multiplying polynomials	HSA-APR.A.1

Operations and Algebraic Thinking

Expressions and Equations

Standards Alignment

RIT Range: > 235

Multi-step equations with distribution	8.EE.C.7 | 8.EE.C.7b | HSA-REI.B.3
Nested fractions	HSA-SSE.A.2
One-step equations with addition and subtraction	6.EE.B.7 | HSA-REI.B.3
One-step inequalities	7.EE.B.4b | HSA-REI.B.3
Using the quadratic formula	HSA-REI.B.4 | HSA-REI.B.4b
Quadratic formula with complex solutions	HSA-REI.B.4 | HSA-REI.B.4b | HSN-CN.C.7
Rewriting and interpreting exponential functions	HSA-SSE.B.3 | HSA-SSE.B.3c
Key features of quadratic functions	HSA-SSE.B.3 | HSA-SSE.B.3a | HSA-SSE.B.3b
Solutions to quadratic equations	HSA-REI.B.4 | HSA-REI.B.4b
Systems with one, zero, or infinite solutions	8.EE.C.8 | HSA-REI.C.6
Solving equations in terms of a variable	HSA-CED.A.4
Solving quadratics by factoring	HSA-REI.B.4 | HSA-REI.B.4b | HSA-SSE.B.3 | HSA-SSE.B.3a
Solving quadratics by factoring 2	HSA-REI.B.4 | HSA-REI.B.4b | HSA-SSE.B.3 | HSA-SSE.B.3a
Solving quadratics by taking the square root	HSA-REI.B.4 | HSA-REI.B.4b
Structure in expressions 1	HSA-SSE.A.1 | HSA-SSE.A.1a | HSA-SSE.A.1b
Systems of equations	8.EE.C.8 | 8.EE.C.8a | 8.EE.C.8b | HSA-REI.C.6
Systems of equations word problems	8.EE.C.8 | 8.EE.C.8c | HSA-REI.C.6
Systems of nonlinear equations	HSA-REI.C.7 | HSA-REI.D.11
Graphically understanding solution methods to systems of equations	HSA-REI.C.5
Understanding the process for solving quadratic equations	HSA-REI.A.1
Understanding the process for solving linear equations	HSA-REI.A.1
Vertex of a parabola	HSA-SSE.B.3 | HSA-SSE.B.3b

Operations and Algebraic Thinking

Use Functions to Model Relationships

Standards Alignment

RIT Range: 213 - 220

Coordinate plane word problems in the first quadrant	5.G.A.2
Graphing points	5.G.A.2

Operations and Algebraic Thinking

Use Functions to Model Relationships

	Standards Alignment
RIT Range: 231 - 234	
Comparing linear functions	8.F.A.2
Comparing linear functions applications	8.F.A.2 | HSF-LE.B.5
Constructing and interpreting linear functions	8.F.B.4 | 8.F.B.5
Graphing linear equations	8.F.B.4 | 8.F.B.5 | HSF-IF.C.7a
Ordered pair solutions to linear equations	8.F.B.4
Interpreting linear relationships	8.F.B.5
Interpreting and finding intercepts of linear functions	8.F.B.4
Interpreting linear functions	8.F.B.4
Interpreting graphs of linear and nonlinear functions	8.F.B.5 | HSA-REI.D.10
Linear function intercepts	8.F.B.4 | HSF-IF.C.7a
Linear and nonlinear functions	8.F.A.3
Equations from tables	8.F.B.4
Recognizing functions	8.F.A.1
Identifying slope of a line	8.F.B.4
Solving for the x-intercept	8.F.B.4
Solving for the y-intercept	8.F.B.4
Views of a function	8.F.A.1
RIT Range: > 235	
Algebraically finding inverses	HSF-BF.B.4a
Amplitude of trigonometric functions	HSF-IF.C.7e
Average rate of change	HSF-IF.B.6
Modeling with combined functions	HSF-BF.A.1b
Comparing linear functions applications	8.F.A.2 | HSF-LE.B.5
Comparing features of functions	HSF-IF.C.9
Comparing growth rates of exponentials and polynomials	HSF-LE.A.3
Constructing linear and exponential functions	HSF-LE.A.2
Converting from point-slope to slope-intercept form	HSF-IF.C.7a
Converting between slope-intercept and standard form	HSF-IF.C.7a

Operations and Algebraic Thinking

Use Functions to Model Relationships

Standards Alignment

RIT Range: > 235

Domain and range from graph	HSF-IF.B.5
Domain of a function	HSF-IF.A.1 | HSF-IF.B.5
Equivalent forms of exponential expressions	HSF-IF.C.8 | HSF-IF.C.8b
Even and odd functions	HSF-BF.B.3
Understanding function notation	HSF-IF.A.2
Evaluating expressions with function notation	HSF-IF.A.2
Evaluating composite functions	HSF-BF.A.1
Graphing linear equations	8.F.B.4 | 8.F.B.5 | HSF-IF.C.7a
Graphing parabolas in standard form	HSF-IF.C.7a
Graphing parabolas in vertex form	HSF-IF.C.7a
Graphing parabolas in all forms	HSF-IF.C.7a
Graphs of piecewise nonlinear functions	HSF-IF.C.7b
Graphs of absolute value functions	HSF-IF.C.7b
Graphs of exponentials and logarithms	HSF-IF.C.7e
Graphs of square root functions	HSF-IF.C.7b
Graphs of trigonometric functions	HSF-IF.C.7e
Interpreting features of functions	HSF-IF.B.4
Interpreting graphs of linear and nonlinear functions	8.F.B.5 | HSA-REI.D.10
Inverses of linear functions	HSF-BF.B.4a
Finding and interpreting key features of quadratics	HSF-IF.C.8 | HSF-IF.C.8a
Line graph intuition	HSF-IF.C.7a
Linear function intercepts	8.F.B.4 | HSF-IF.C.7a
Midline of trigonometric functions	HSF-IF.C.7e
Modeling with combined functions	HSF-BF.A.1b
Modeling with composite functions	HSF-BF.A.1
Modeling with exponential functions	HSF-LE.B.5
Period of trigonometric functions	HSF-IF.C.7e
Graphs of piecewise linear functions	HSF-IF.C.7b
Point slope form	HSF-IF.C.7a

Operations and Algebraic Thinking

Use Functions to Model Relationships

	Standards Alignment
RIT Range: > 235	
Positive and negative parts of functions	HSF-IF.B.4
Range of a function	HSF-IF.A.1
Recognizing features of functions	HSF-IF.B.4
Recognizing functions 2	HSF-IF.A.1
Modeling with sequences	HSF-BF.A.1 | HSF-BF.A.1a | HSF-BF.A.2 | HSF-IF.A.3
Rewriting and interpreting exponential functions	HSF-IF.C.8 | HSF-IF.C.8b
Key features of quadratic functions	HSF-IF.C.8 | HSF-IF.C.8a
Defining sequences as functions	HSF-IF.A.3
Shifting and reflecting functions	HSF-BF.B.3
Slope intercept form	HSF-IF.C.7a
Understanding linear and exponential models	HSF-LE.A.1a | HSF-LE.A.1b | HSF-LE.A.1c

Statistics and Probability

Interpreting Categorical and Quantitative Data

	Standards Alignment
RIT Range: 192 - 203	
Creating line plots	3.MD.B.4
RIT Range: 161 - 178	
Solving problems with bar graphs 1	1.MD.C.4
RIT Range: 179 - 191	
Making line plots, bar graphs, and picture graphs	2.MD.D.9
Solving problems with bar graphs 2	2.MD.D.10
Solving problems with line plots 1	2.MD.D.9
Solving problems with picture graphs 1	2.MD.D.10
RIT Range: 192 - 203	
Creating picture and bar graphs 2	3.MD.B.3
Solving problems with bar graphs 3	3.MD.B.3
Solving problems with picture graphs 2	3.MD.B.3

Statistics and Probability

Interpreting Categorical and Quantitative Data

	Standards Alignment
RIT Range: 204 - 212	
Interpreting dot plots with fraction addition and subtraction	4.MD.B.4
RIT Range: 213 - 220	
Interpreting dot plots with fraction operations	5.MD.B.2
RIT Range: 221 - 225	
Reading box plots	6.SP.A.2 | 6.SP.A.3 | 6.SP.B.4 | 6.SP.B.5
Reading dot plots and frequency tables	6.SP.B.4
Creating box plots 2	6.SP.B.4
Calculating the interquartile range (IQR)	6.SP.B.5c | 6.SP.B.5d
Calculating the mean	6.SP.B.5c
Calculating the mean absolute deviation (MAD)	6.SP.B.5c | 6.SP.B.5d
Calculating the mean from various data displays	6.SP.B.4 | 6.SP.B.5c
Calculating the median	6.SP.B.5c
Calculating the median from data displays	6.SP.B.5c
Creating bar charts	6.SP.B.4
Creating box plots 1	6.SP.B.4
Creating dot plots	6.SP.B.4
Creating frequency tables	6.SP.B.4
Creating histograms	6.SP.B.4
Exploring mean and median	6.SP.B.5d
Find a missing value given the mean	6.SP.B.5c
Interpreting quartiles	6.SP.B.4 | 6.SP.B.5c
Data set warm-up	6.SP.B.5a
Mean, median, and mode	6.SP.A.2 | 6.SP.A.3 | 6.SP.B.5 | 6.SP.B.5c
Median and range puzzlers	6.SP.B.5c
Reading bar charts 1	6.SP.B.5 | 6.SP.B.5a
Reading bar charts 2	6.SP.B.5
Reading bar charts 3	6.SP.B.5
Reading pictographs 1	6.SP.B.5 | 6.SP.B.5a

Statistics and Probability

Interpreting Categorical and Quantitative Data

	Standards Alignment
RIT Range: 221 - 225	
Reading pictographs 2	6.SP.B.5 | 6.SP.B.5a
Reading histograms	6.SP.B.4
Shape of distributions	6.SP.A.2
Statistical questions	6.SP.A.1
RIT Range: 226 - 230	
Comparing populations	7.SP.B.3 | 7.SP.B.4
RIT Range: 231 - 234	
Constructing scatter plots	8.SP.A.1
Interpreting two-way tables	8.SP.A.4
Interpreting scatter plots	8.SP.A.1
Linear models of bivariate data	8.SP.A.3 | HSS-ID.B.6 | HSS-ID.B.6a | HSS-ID.B.6c | HSS-ID.C.7
Estimating the line of best fit	8.SP.A.2 | HSS-ID.B.6 | HSS-ID.B.6c
RIT Range: > 235	
Exploring standard deviation	HSS-ID.A.3
Fitting quadratic and exponential functions to scatter plots	HSS-ID.B.6 | HSS-ID.B.6a | HSS-ID.B.6c
Interpreting and comparing data distributions	HSS-ID.A.1 | HSS-ID.A.2 | HSS-ID.A.3
Linear models of bivariate data	8.SP.A.3 | HSS-ID.B.6 | HSS-ID.B.6a | HSS-ID.B.6c | HSS-ID.C.7
Estimating the line of best fit	8.SP.A.2 | HSS-ID.B.6 | HSS-ID.B.6c
Standard deviation of a population	HSS-ID.A.2
Trends in categorical data	HSS-CP.A.4 | HSS-CP.A.5 | HSS-CP.B.6 | HSS-ID.B.5
Types of statistical studies	HSS-ID.C.9

Statistics and Probability

Using Sampling and Probability to Make Decisions

	Standards Alignment
RIT Range: 226 - 230	
Compound events	7.SP.C.8a | 7.SP.C.8a | 7.SP.C.8b | 7.SP.C.8b

Statistics and Probability

Using Sampling and Probability to Make Decisions

Standards Alignment

RIT Range: 226 - 230

Probability space	7.SP.C.8b | 7.SP.C.8b
Finding probability	7.SP.C.6 | 7.SP.C.6
Probability 1	7.SP.C.7 | 7.SP.C.7 | 7.SP.C.7a | 7.SP.C.7a
Probability models	7.SP.C.7 | 7.SP.C.7 | 7.SP.C.7b | 7.SP.C.7b
Sample spaces for compound events	7.SP.C.8b | 7.SP.C.8b
Understanding probability	7.SP.C.5 | 7.SP.C.5
Valid claims	7.SP.A.1 | 7.SP.A.1
Variation in samples	7.SP.A.2 | 7.SP.A.2

RIT Range: > 235

Adding probabilities	HSS-CP.B.7 | HSS-CP.B.7
Basic set notation	HSS-CP.A.1
Dependent probability	HSS-CP.B.6
Describing subsets of sample spaces	HSS-CP.A.1 | HSS-CP.A.1
Identifying dependent and independent events	HSS-CP.A.2 | HSS-CP.A.2 | HSS-CP.A.3 | HSS-CP.A.3
Trends in categorical data	HSS-CP.A.4 | HSS-CP.A.5 | HSS-CP.B.6

The Real and Complex Number Systems

Extend and Use Properties

Standards Alignment

RIT Range: < 160

Compare groups through 10	K.CC.C.6
Count from any number	K.CC.A.2
Teen numbers 1	K.NBT.A.1

RIT Range: 161 - 178

Comparing whole numbers	1.NBT.B.3 | 2.NBT.A.4
Comparing two-digit numbers 1	1.NBT.B.3
Groups of tens	1.NBT.B.2 | 1.NBT.B.2c
Halves and fourths	1.G.A.3

The Real and Complex Number Systems

Extend and Use Properties

	Standards Alignment
RIT Range: 161 - 178	
Teen numbers 2	1.NBT.B.2 | 1.NBT.B.2b
Teen numbers 3	1.NBT.B.2 | 1.NBT.B.2b
Understanding 2-digit numbers	1.NBT.B.2
RIT Range: 179 - 191	
Comparing whole numbers	1.NBT.B.3 | 2.NBT.A.4
Comparing numbers within 1000	2.NBT.A.4
Equal parts of circles and rectangles	2.G.A.3
Hundreds, tens, and ones	2.NBT.A.1 | 2.NBT.A.1a | 2.NBT.A.1b
Skip-counting by 100s	2.NBT.A.2
Skip-counting by 10s	2.NBT.A.2
Skip-counting by 5s	2.NBT.A.2
Writing numbers to 1000	2.NBT.A.3
RIT Range: 192 - 203	
Comparing fractions with the same numerator or denominator	3.NF.A.3 | 3.NF.A.3d
Comparing fractions with the same denominator	3.NF.A.3 | 3.NF.A.3d
Comparing fractions with the same numerator	3.NF.A.3 | 3.NF.A.3d
Cutting shapes into equal parts	3.G.A.2
Equivalent fractions on the number line	3.NF.A.3 | 3.NF.A.3b
Equivalent fraction models	3.NF.A.3 | 3.NF.A.3b
Finding 1 on the number line	3.NF.A.2a | 3.NF.A.2b | 3.NF.A.3c
Fractions on the number line 1	3.NF.A.2
Fractions on the number line 2	3.NF.A.2 | 3.NF.A.2a | 3.NF.A.2b
Recognizing fractions 2	3.NF.A.1
Meaning of division	3.OA.A.2
Meaning of multiplication	3.OA.A.1
Naming the whole	3.NF.A.3d
Properties of multiplication 1	3.OA.B.5
Identifying numerators and denominators	3.NF.A.1

The Real and Complex Number Systems

Extend and Use Properties

	Standards Alignment
RIT Range: 192 - 203	
Recognizing fractions 1	3.NF.A.1
Rounding to the nearest ten or hundred	3.NBT.A.1
RIT Range: 204 - 212	
Adding fractions with 10 and 100 as denominators	4.NF.C.5
Comparing decimals 1	4.NF.C.7
Comparing fractions with different numerators and denominators	4.NF.A.2
Comparing fractions and mixed numbers	4.NF.A.2
Composite numbers	4.OA.B.4
Converting decimals to fractions 1	4.NF.C.6
Fractions as division by 10 or 100	4.NF.C.6
Decimals on the number line 1	4.NF.C.6
Decimals on the number line 2	4.NF.C.6
Decomposing fractions	4.NF.B.3b
Equivalent fractions	4.NF.A.1
Fractions as division by a multiple of 10	4.NF.C.6
Fractions cut and copy 1	4.NF.A.1
Ordering fractions	4.NF.A.2
Place value	4.NBT.A.2
Prime numbers	4.OA.B.4
Understanding multiplying fractions and whole numbers	4.NF.B.4a
Understanding place value	4.NBT.A.1
Understanding whole number representations	4.NBT.A.2
Unit sense	4.MD.A.1
Visualizing equivalent fractions	4.NF.A.1
RIT Range: 213 - 220	
Comparing decimals 2	5.NBT.A.3b
Comparing decimal place value	5.NBT.A.1
Coordinate plane word problems in the first quadrant	5.G.A.2

The Real and Complex Number Systems

Extend and Use Properties

	Standards Alignment
RIT Range: 213 - 220	
Graphing points	5.G.A.1 | 5.G.A.2
Multiplying and dividing decimals by powers of 10	5.NBT.A.2
Multiplying and dividing whole numbers by powers of 10	5.NBT.A.2
Ordering decimals	5.NBT.A.3b
Powers of ten	5.NBT.A.2
Regrouping decimals	5.NBT.A.1
Regrouping whole numbers	5.NBT.A.1
Money and decimal place value intuition	5.NBT.A.3
Understanding moving the decimal	5.NBT.A.2
Understanding fractions as division	5.NF.B.3
Writing and interpreting decimals	5.NBT.A.3a
RIT Range: 221 - 225	
Finding absolute values	6.NS.C.7 | 6.NS.C.7c
Interpreting absolute value	6.NS.C.7 | 6.NS.C.7c | 6.NS.C.7d
Comparing absolute values	6.NS.C.7 | 6.NS.C.7c
Coordinate plane problems in all four quadrants	6.NS.C.8
Decimals on the number line 3	6.NS.C.6c
Positive and negative fractions on the number line	6.NS.C.6
Graphing points and naming quadrants	6.NS.C.6 | 6.NS.C.6b | 6.NS.C.6c
Points on the coordinate plane	6.NS.C.6 | 6.NS.C.6b | 6.NS.C.6c
Interpreting negative numbers	6.NS.C.5
Negative numbers on the number line	6.NS.C.6 | 6.NS.C.6a | 6.NS.C.6c
Negative numbers on the number line without reference to zero	6.NS.C.6 | 6.NS.C.6a | 6.NS.C.6c
Number opposites	6.NS.C.6 | 6.NS.C.6a
Ordering negative numbers	6.NS.C.7 | 6.NS.C.7c
Reflecting points on the coordinate plane	6.NS.C.6 | 6.NS.C.6c
Sorting absolute value word problems	6.NS.C.7 | 6.NS.C.7b | 6.NS.C.7c | 6.NS.C.7d
Comparing positive and negative numbers on the number line	6.NS.C.7a

The Real and Complex Number Systems

Extend and Use Properties

	Standards Alignment
RIT Range: 221 - 225	
Writing numerical inequalities	6.NS.C.7b
RIT Range: 231 - 234	
Approximating irrational numbers	8.NS.A.2
Converting decimals to fractions 2	8.NS.A.1
Converting 1-digit repeating decimals to fractions	8.NS.A.1
Converting multi-digit repeating decimals to fractions	8.NS.A.1
Properties of exponents	8.EE.A.1
Recognizing rational and irrational numbers	8.NS.A.1
Scientific notation intuition	8.EE.A.4
Writing fractions as repeating decimals	8.NS.A.1
RIT Range: > 235	
Adding and subtracting radicals	HSN-RN.A.2
Fractional exponents	HSN-RN.A.2
Fractional exponents 2	HSN-RN.A.2
Manipulating fractional exponents	HSN-RN.A.2
Simplifying square roots 2	HSN-RN.A.2
Simplifying expressions with exponents	HSN-RN.A.2

The Real and Complex Number Systems

Perform Operations

	Standards Alignment
RIT Range: 226 - 230	
Order of operations with negative numbers	7.NS.A.3
RIT Range: < 160	
Addition word problems within 10	K.OA.A.2
Subtraction word problems within 10	K.OA.A.2

The Real and Complex Number Systems

Perform Operations

	Standards Alignment
RIT Range: 161 - 178	
Adding three numbers	1.OA.A.2
Addition within 20	1.OA.C.6
Addition and subtraction within 10	1.OA.D.8
Addition and subtraction word problems within 20: Level 1	1.OA.A.1
Addition and subtraction word problems within 20: Level 2	1.OA.A.1
Addition and subtraction word problems within 20: Level 3	1.OA.A.1
Addition and subtraction word problems within 20: Level 4	1.OA.A.1
Add within 100: Level 1	1.NBT.C.4
Add within 100: Level 2	1.NBT.C.4
Subtract tens	1.NBT.C.6
RIT Range: 179 - 191	
Addition and subtraction word problems within 100: Level 1	2.OA.A.1
Addition and subtraction word problems within 100: Level 2	2.OA.A.1
Addition and subtraction word problems within 100: Level 3	2.OA.A.1
Addition and subtraction word problems within 100: Level 4	2.OA.A.1
Add within 1000: Level 1	2.NBT.B.7
Add within 1000: Level 2	2.NBT.B.7
Comparing lengths	2.OA.A.1
Counting money (U.S.)	2.MD.C.8 | 2.NBT.A.2
Length word problems	2.MD.B.5 | 2.OA.A.1
Addition using groups of 10: Level 1	2.NBT.B.5
Addition using groups of 10: Level 2	2.NBT.B.5
Skip-counting by 100s	2.NBT.A.2
Skip-counting by 10s	2.NBT.A.2
Skip-counting by 5s	2.NBT.A.2
Solving problems with picture graphs 1	2.OA.A.1
Subtraction within 20	2.NBT.B.5
Subtract within 1000: Level 1	2.NBT.B.7

The Real and Complex Number Systems

Perform Operations

	Standards Alignment
RIT Range: 179 - 191	
Subtract within 1000: Level 2	2.NBT.B.7
Subtract within 100: Level 1	2.NBT.B.5
Subtract within 100: Level 2	2.NBT.B.5
Telling time without labels	2.MD.C.7
Telling time with a labeled clock	2.MD.C.7
RIT Range: 192 - 203	
Addition within 100	3.NBT.A.2
Addition within 1000	3.NBT.A.2 | 4.NBT.B.4
Basic division	3.OA.A.4
1-digit division	3.OA.A.4
Addition using groups of 10 and 100	3.NBT.A.2
Meaning of division	3.OA.A.2
Meaning of multiplication	3.OA.A.1
Arithmetic word problems with mass	3.MD.A.2
Multiplying 1-digit numbers	3.OA.A.4
Multiply by tens	3.NBT.A.3
Multiplication using place value understanding	3.OA.B.5
Multiply by tens word problems	3.NBT.A.3
Whole numbers on the number line	3.OA.C.7
Math patterns 1	3.OA.D.9
Properties of multiplication	3.OA.B.5
Relate division to multiplication	3.OA.B.6
Relate division to multiplication word problems	3.OA.B.6
Rounding to the nearest ten or hundred	3.NBT.A.1
Subtraction within 100	3.NBT.A.2
Subtraction within 1000	3.NBT.A.2 | 4.NBT.B.4
Telling time word problems	3.MD.A.1
Telling time word problems with the number line	3.MD.A.1

The Real and Complex Number Systems

Perform Operations

	Standards Alignment
RIT Range: 192 - 203	
Two-step word problems with addition, subtraction, multiplication, and division	3.OA.D.8
Arithmetic word problems with volume	3.MD.A.2
RIT Range: 204 - 212	
Adding fractions with 10 and 100 as denominators	4.NF.C.5
Adding and subtracting mixed numbers with like denominators	4.NF.B.3c
Adding and subtracting fractions with like denominators word problems	4.NF.B.3d
Addition within 1000	3.NBT.A.2 | 4.NBT.B.4
Multiplication and division word problems	4.OA.A.2
Comparing with multiplication	4.OA.A.1
Composite numbers	4.OA.B.4
Converting decimals to fractions 1	4.NF.C.6
Fractions as division by 10 or 100	4.NF.C.6
Decomposing fractions	4.NF.B.3b
Divisibility intuition	4.OA.B.4
Multi-digit division without remainders	4.NBT.B.6
Division with remainders	4.NBT.B.6
Division using place value understanding	4.NBT.B.6
Equivalent fractions	4.NF.A.1
Factor pairs	4.OA.B.4
Using fractions to divide pizzas, pies, and cakes	4.NF.B.3d
Fractions cut and copy 1	4.NF.A.1
Identifying factors and multiples	4.OA.B.4
Converting to smaller units word problems (metric)	4.MD.A.2
Converting to smaller units word problems (US customary)	4.MD.A.2
Converting money word problems	4.MD.A.2
Time word problems	4.MD.A.2
Multi-digit division with visual models	4.NBT.B.6
Multiplication without carrying	4.NBT.B.5

The Real and Complex Number Systems

Perform Operations

	Standards Alignment
RIT Range: 204 - 212	
Multiplication with carrying	4.NBT.B.5
Multiplying 2 digits by 2 digits	4.NBT.B.5
Multiplying 2 digits by 2 digits with area models	4.NBT.B.5
Multiplying 4 digits by 1 digit with visual models	4.NBT.B.5
Multiplying fractions and whole numbers word problems	4.NF.B.4c
Multi-step word problems with whole numbers	4.OA.A.3
Prime numbers	4.OA.B.4
Rounding whole numbers	4.NBT.A.3
Subtracting fractions with common denominators	4.NF.B.3a
Subtraction within 1000	3.NBT.A.2 | 4.NBT.B.4
Understanding multiplying fractions and whole numbers	4.NF.B.4
Understanding place value	4.NBT.A.1
Visualizing equivalent fractions	4.NF.A.1
RIT Range: 213 - 220	
Adding decimals 1	5.NBT.B.7
Adding decimals 0.5	5.NBT.B.7
Adding fractions with unlike denominators	5.NF.A.1
Adding and subtracting mixed numbers with unlike denominators	5.NF.A.1
Adding and subtracting fractions with unlike denominators word problems	5.NF.A.2
Comparing decimal place value	5.NBT.A.1
Dividing completely	5.NBT.B.7
Dividing decimals 1	5.NBT.B.7
Dividing decimals 2	5.NBT.B.7
Dividing decimals 3	5.NBT.B.7
Dividing whole numbers by fractions	5.NF.B.7 | 5.NF.B.7b
Dividing fractions by whole numbers	5.NF.B.7 | 5.NF.B.7a
Division by 2 digits	5.NBT.B.6
Division with fractions and whole numbers word problems	5.NF.B.7c

The Real and Complex Number Systems

Perform Operations

	Standards Alignment
RIT Range: 213 - 220	
Fraction multiplication as scaling	5.NF.B.5b
Multi-digit multiplication	5.NBT.B.5
Multiplying decimals 1	5.NBT.B.7
Multiplying decimals 2	5.NBT.B.7
Multiplying fractions by whole numbers	5.NF.B.4a
Multiplying and dividing decimals by powers of 10	5.NBT.A.2
Multiplying and dividing whole numbers by powers of 10	5.NBT.A.2
Multiplying fractions by fractions word problems	5.NF.B.6
Powers of ten	5.NBT.A.2
Regrouping decimals	5.NBT.A.1
Regrouping whole numbers	5.NBT.A.1
Rounding decimals	5.NBT.A.4
Subtracting decimals	5.NBT.B.7
Subtracting decimals 0.5	5.NBT.B.7
Subtracting fractions with unlike denominators	5.NF.A.1
Understanding moving the decimal	5.NBT.A.2
Understanding fractions as division	5.NF.B.3
Visually understanding multiplying fractions and whole numbers	5.NF.B.4a
Understanding multiplying fractions by fractions	5.NF.B.4a
RIT Range: 221 - 225	
Adding and subtracting decimals word problems	6.NS.B.3
Adding decimals 2	6.NS.B.3
Distributive property	6.NS.B.4
Dividing decimals 4	6.NS.B.3
Dividing positive fractions	6.NS.A.1
Dividing fractions by fractions and whole numbers applications	6.NS.A.1
Dividing fractions by fractions word problems	6.NS.A.1
Multi-digit division	6.NS.B.2

The Real and Complex Number Systems

Perform Operations

	Standards Alignment
RIT Range: 221 - 225	
GCF and LCM word problems	6.NS.B.4
Greatest common factor	6.NS.B.4
Least common multiple	6.NS.B.4
Multiplying decimals 3	6.NS.B.3
Subtracting decimals 2	6.NS.B.3
Understanding dividing fractions by fractions	6.NS.A.1
RIT Range: 226 - 230	
Adding and subtracting fractions with unlike denominators	7.NS.A.1 | 7.NS.A.1d
Adding and subtracting negative numbers	7.NS.A.1 | 7.NS.A.1c | 7.NS.A.1d
Adding and subtracting negative fractions, decimals, and percents	7.NS.A.1d
Adding negative numbers	7.NS.A.1 | 7.NS.A.1c
Adding and subtracting negative numbers word problems	7.NS.A.1 | 7.NS.A.1b | 7.NS.A.1c
Constructing and interpreting absolute value	7.NS.A.1 | 7.NS.A.1a | 7.NS.A.1b | 7.NS.A.1c
Converting fractions to decimals	7.NS.A.2 | 7.NS.A.2d
Dividing positive and negative fractions	7.NS.A.2b
Positive and zero exponents with positive and negative bases	7.NS.A.2
Positive exponents with positive and negative bases	7.NS.A.2
Rules for multiplying and dividing negative numbers	7.NS.A.2b
Multiplying and dividing negative numbers	7.NS.A.2 | 7.NS.A.2a
Multiplying positive and negative fractions	7.NS.A.2a
Operations with rational numbers	7.NS.A.3
Understanding addition and subtraction on the number line	7.NS.A.1 | 7.NS.A.1c
Understanding addition and subtraction with negative numbers	7.NS.A.1 | 7.NS.A.1a | 7.NS.A.1b | 7.NS.A.1c | 7.NS.A.1d
Writing fractions as repeating decimals	7.NS.A.2d
RIT Range: > 235	
Adding and subtracting complex numbers	HSN-CN.A.2
Adding and subtracting radicals	HSN-RN.A.2

The Real and Complex Number Systems

Perform Operations

Standards Alignment

RIT Range: > 235

Imaginary unit powers	HSN-CN.A.2
Measurement precision	HSN-Q.A.3
Multiplying complex numbers	HSN-CN.A.2
The imaginary unit and complex numbers	HSN-CN.A.1
Units and scale of graphs	HSN-Q.A.1
Working with units algebraically	HSN-Q.A.1

The Real and Complex Number Systems

Ratios and Proportional Relationships

Standards Alignment

RIT Range: 204 - 212

Converting to smaller units	4.MD.A.1
Converting to smaller units word problems (metric)	4.MD.A.2
Converting to smaller units word problems (US customary)	4.MD.A.2
Converting money word problems	4.MD.A.2
Time word problems	4.MD.A.2
Multi-step word problems with whole numbers	4.OA.A.3
Unit sense	4.MD.A.1

RIT Range: 213 - 220

Converting units word problems	5.MD.A.1
Converting units	5.MD.A.1
Converting units (US customary)	5.MD.A.1
Converting units word problems (US customary)	5.MD.A.1
Division with fractions and whole numbers word problems	5.NF.B.7c

RIT Range: 221 - 225

Finding percents	6.RP.A.3 | 6.RP.A.3c
Percentage word problems 1	6.RP.A.3 | 6.RP.A.3c
Rate problems 0.5	6.RP.A.2 | 6.RP.A.3 | 6.RP.A.3b
Ratio word problems	6.RP.A.2 | 6.RP.A.3 | 6.RP.A.3b

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	Standards Alignment
RIT Range: 221 - 225	
Representing ratios	6.RP.A.1
Solving ratio problems with tables	6.RP.A.3 | 6.RP.A.3a
Units	6.RP.A.3 | 6.RP.A.3d
RIT Range: 226 - 230	
Analyzing and identifying proportional relationships	7.RP.A.2a | 7.RP.A.2c | 7.RP.A.2d
Constructing and comparing proportional relationships	7.RP.A.2a | 7.RP.A.2c | 7.RP.A.2d
Constructing proportions to solve application problems	7.RP.A.3
Discount, tax, and tip word problems	7.RP.A.3
Markup and commission word problems	7.RP.A.3
Proportions 1	7.RP.A.3
Rate problems 1	7.RP.A.1 | 7.RP.A.2b
Rate problems 2	7.RP.A.3
Writing proportions	7.RP.A.3