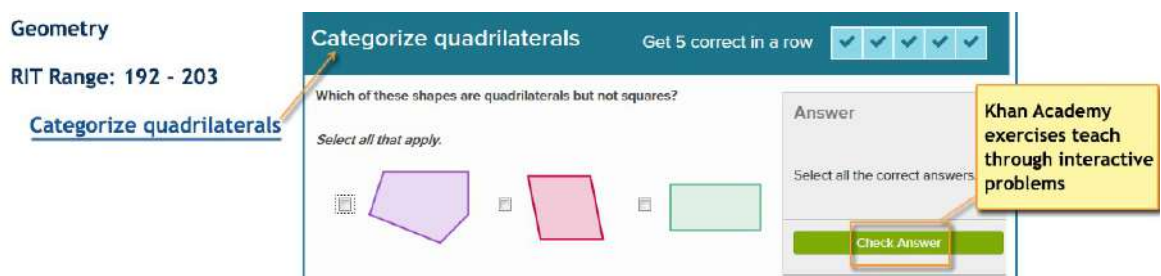


# MAP to Khan Academy:

## Khan Academy Practice Exercises Correlated to RIT for Common Core Math MAP Grades 6+

### About this Document

This document correlates MAP® sub-goals and RIT ranges to Khan Academy® exercises. The Khan exercises are interactive problems for students with instant feedback:



**Geometry**  
**RIT Range: 192 - 203**  
Categorize quadrilaterals

**Categorize quadrilaterals** Get 5 correct in a row ✓✓✓✓✓

Which of these shapes are quadrilaterals but not squares?

Select all that apply.

Answer

Select all the correct answers.

Check Answer

Khan Academy exercises teach through interactive problems

Having these exercises correlated to RIT ranges means you can use them in conjunction with your flexible student groupings that are also informed by RIT score results. The exercises are also useful for targeting learning in each student’s zone of proximal development (Vygotsky).

The correlation between MAP RIT scores and the Khan Academy exercises was determined by using our 2011 norms data to approximate grade levels, which were then matched to the corresponding Common Core State Standards (CCSS). Teachers in states that have not adopted the CCSS may still find these resources valuable by relating goals or sub-goals that are similar to CCSS goals and sub-goals.

NWEA plans to work with Khan Academy to update these links twice a year as new exercises are developed.

### How to Use

1. Use MAP reports to find the RIT scores for a given sub-goal.
2. In this document, locate that same goal, approximate RIT range, and sub-goals.
3. To choose appropriate Khan Academy exercises:
  - a. Consider both the name of the exercise and the CCSS standard.
  - b. Click the link and try the exercise yourself.  
 Note: When you’re in Khan Academy, the links to videos and other resources add context to the actual exercise but are not necessarily correlated to MAP.
4. In the browser window where the exercise opened, note or copy the Web address URL.
5. Optionally deliver exercises to students. For example:
  - Paste the URL into an online document for students to access.
  - Present the exercise in the classroom.
  - Use for parent-teacher conference discussion.

## Limitations

The instructional suggestions presented in this document are intended to provide supplementary resources based on available Khan Academy exercises and are not intended to replace other options. MAP/MPG data should be used as one of many data points for instructional decisions rather than as a placement guide.

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## **Geometry**

[Congruence, Similarity, Right Triangles, & Trig](#) P 4

[Geometric Measurement and Relationships](#) P 5

## **Operations and Algebraic Thinking**

[Expressions and Equations](#) P 9

[Use Functions to Model Relationships](#) P 16

## **Statistics and Probability**

[Interpreting Categorical and Quantitative Data](#) P 18

[Using Sampling and Probability to Make Decisions](#) P 20

## **The Real and Complex Number Systems**

[Extend and Use Properties](#) P 21

[Perform Operations](#) P 25

[Ratios and Proportional Relationships](#) P 31

## Geometry

### Congruence, Similarity, Right Triangles, & Trig

### Standards Alignment

#### RIT Range: 204 - 212

<a href="#">Angle types</a>	4.G.A.1
<a href="#">Axis of symmetry</a>	4.G.A.3
<a href="#">Quadrilateral types</a>	4.G.A.2
<a href="#">Recognizing angles</a>	4.G.A.1

#### RIT Range: 221 - 225

<a href="#">Nets of 3D figures</a>	6.G.A.4
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#### RIT Range: 226 - 230

<a href="#">Constructing scale drawings</a>	7.G.A.1
<a href="#">Slicing 3D figures</a>	7.G.A.3
<a href="#">Vertical angles</a>	7.G.B.5

#### RIT Range: 231 - 234

<a href="#">Angles 1</a>	8.G.A.5
<a href="#">Angles 2</a>	8.G.A.5
<a href="#">Congruent angles</a>	8.G.A.5
<a href="#">Distance formula</a>	8.G.B.8
<a href="#">Exploring angle-preserving transformations and similarity</a>	8.G.A.4
<a href="#">Exploring rigid transformations and congruence</a>	8.G.A.2
<a href="#">Parallel lines 1</a>	8.G.A.5
<a href="#">Parallel lines 2</a>	8.G.A.5
<a href="#">Performing transformations on the coordinate plane</a>	8.G.A.3
<a href="#">Properties of rigid transformations</a>	8.G.A.1
<a href="#">Pythagorean theorem</a>	8.G.B.7
<a href="#">Special right triangles</a>	8.G.B.7
<a href="#">Pythagorean Theorem proofs</a>	8.G.B.6

#### RIT Range: > 235

<a href="#">Applying right triangles</a>	HSG-SRT.C.7   HSG-SRT.C.8
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## Geometry

### Congruence, Similarity, Right Triangles, & Trig

#### Standards Alignment

RIT Range: > 235

<a href="#">Congruency postulates</a>	HSG-CO.B.7   HSG-CO.B.8
<a href="#">Congruent triangles 1</a>	HSG-CO.B.6
<a href="#">Congruent triangles 2</a>	HSG-CO.B.6
<a href="#">Compass constructions 1</a>	HSG-CO.D.12
<a href="#">Compass constructions 2</a>	HSG-CO.D.13
<a href="#">Defining congruence through rigid transformations</a>	HSG-CO.B.6   HSG-CO.B.7
<a href="#">Defining similarity through angle-preserving transformations</a>	HSG-SRT.A.2   HSG-SRT.A.3
<a href="#">Dilations</a>	HSG-SRT.A.1
<a href="#">Qualitatively defining rigid transformations</a>	HSG-CO.A.2
<a href="#">Quantitatively defining rigid transformations</a>	HSG-CO.A.2
<a href="#">Similar triangles 1</a>	HSG-SRT.A.3
<a href="#">Similar triangles 2</a>	HSG-SRT.A.3
<a href="#">Solving similar triangles 1</a>	HSG-SRT.A.3
<a href="#">Solving similar triangles 2</a>	HSG-SRT.B.5
<a href="#">Solving problems with similar and congruent triangles</a>	HSG-SRT.B.5
<a href="#">Symmetry of two-dimensional shapes</a>	HSG-CO.A.3
<a href="#">Transforming polygons</a>	HSG-CO.A.5
<a href="#">Trigonometric functions and side ratios in right triangles</a>	HSG-SRT.C.6   HSG-SRT.C.7

## Geometry

### Geometric Measurement and Relationships

#### Standards Alignment

RIT Range: < 160

<a href="#">Compare shapes</a>	K.G.B.4
<a href="#">Naming shapes</a>	K.G.A.1   K.G.A.2

RIT Range: 161 - 178

<a href="#">Attributes of shapes</a>	1.G.A.1
<a href="#">Measuring lengths 1</a>	1.MD.A.2

# Geometry

## Geometric Measurement and Relationships

### Standards Alignment

#### RIT Range: 179 - 191

<a href="#">Comparing lengths</a>	2.MD.A.4
<a href="#">Measuring lengths 2</a>	2.MD.A.1
<a href="#">Measuring lengths with different units</a>	2.MD.A.2
<a href="#">Recognizing shapes</a>	2.G.A.1

#### RIT Range: 192 - 203

<a href="#">Area 1</a>	3.MD.C.5   3.MD.C.5b   3.MD.C.6
<a href="#">Area and the distributive property</a>	3.MD.C.7
<a href="#">Categorize quadrilaterals</a>	3.G.A.1
<a href="#">Comparing area and perimeter</a>	3.MD.D.8
<a href="#">Comparing areas by multiplying</a>	3.MD.C.7   3.MD.C.7b
<a href="#">Creating line plots 2</a>	3.MD.B.4
<a href="#">Decompose shapes to find area</a>	3.MD.C.7
<a href="#">Finding area by multiplying</a>	3.MD.C.7
<a href="#">Mass word problems</a>	3.MD.A.2
<a href="#">Measuring area with unit squares</a>	3.MD.C.5   3.MD.C.5b   3.MD.C.6
<a href="#">Perimeter 1</a>	3.MD.D.8
<a href="#">Finding perimeter</a>	3.MD.D.8
<a href="#">Volume word problems 1</a>	3.MD.A.2

#### RIT Range: 204 - 212

<a href="#">Angle types</a>	4.G.A.1
<a href="#">Area problems</a>	4.MD.A.3
<a href="#">Area and perimeter of rectangles word problems</a>	4.MD.A.3
<a href="#">Benchmark angles</a>	4.MD.C.5
<a href="#">Classifying shapes by line and angle types</a>	4.G.A.2
<a href="#">Decomposing angles</a>	4.MD.C.7
<a href="#">Drawing angles</a>	4.MD.C.6
<a href="#">Drawing lines</a>	4.G.A.1

# Geometry

## Geometric Measurement and Relationships

### Standards Alignment

#### RIT Range: 204 - 212

<a href="#">Drawing right, acute, and obtuse angles</a>	4.G.A.1
<a href="#">Measurement units</a>	4.MD.A.1
<a href="#">Measurement word problems with metric units</a>	4.MD.A.2
<a href="#">Measurement word problems with US customary units</a>	4.MD.A.2
<a href="#">Measuring angles</a>	4.MD.C.6
<a href="#">Measuring and converting money word problems</a>	4.MD.A.2
<a href="#">Measuring time word problems</a>	4.MD.A.2
<a href="#">Naming angles</a>	4.MD.C.5
<a href="#">Recognizing rays, lines, and line segments</a>	4.G.A.1
<a href="#">Recognizing parallel and perpendicular lines</a>	4.G.A.1
<a href="#">Recognizing triangles</a>	4.G.A.2
<a href="#">Triangle types</a>	4.G.A.2
<a href="#">Understanding angles</a>	4.MD.C.5
<a href="#">Unit sense</a>	4.MD.A.1

#### RIT Range: 213 - 220

<a href="#">Converting measurements word problems</a>	5.MD.A.1
<a href="#">Converting units</a>	5.MD.A.1
<a href="#">Coordinate plane word problems in the first quadrant</a>	5.G.A.2
<a href="#">Graphing points</a>	5.G.A.1   5.G.A.2
<a href="#">Volume 1</a>	5.MD.C.5   5.MD.C.5b   5.MD.C.5c
<a href="#">Volume word problems</a>	5.MD.C.5   5.MD.C.5b   5.MD.C.5c
<a href="#">Volume with unit cubes 1</a>	5.MD.C.4

#### RIT Range: 221 - 225

<a href="#">Area of parallelograms</a>	6.G.A.1
<a href="#">Area of triangles</a>	6.G.A.1
<a href="#">Area of quadrilaterals and polygons</a>	6.G.A.1
<a href="#">Area of trapezoids, rhombi, and kites</a>	6.G.A.1

## Geometry

### Geometric Measurement and Relationships

### Standards Alignment

#### RIT Range: 221 - 225

<a href="#">Finding area by composing and decomposing shapes</a>	6.G.A.1
<a href="#">Nets of 3D figures</a>	6.G.A.4
<a href="#">Polygons in the coordinate plane</a>	6.G.A.3
<a href="#">Surface area</a>	6.G.A.4
<a href="#">Volume with fractions</a>	6.G.A.2
<a href="#">Volume with unit cubes 2</a>	6.G.A.2
<a href="#">Volume word problems with fractions</a>	6.G.A.2

#### RIT Range: 226 - 230

<a href="#">Area of a circle</a>	7.G.B.4
<a href="#">Area and circumference of circles</a>	7.G.B.4
<a href="#">Area, volume, and surface area</a>	7.G.B.6
<a href="#">Complementary and supplementary angles</a>	7.G.B.5
<a href="#">Congruent segments</a>	7.NS.A.1c
<a href="#">Constructing scale drawings</a>	7.G.A.1
<a href="#">Constructing triangles</a>	7.G.A.2
<a href="#">Interpreting scale drawings</a>	7.G.A.1   7.G.A.1
<a href="#">Measuring segments</a>	7.NS.A.1b
<a href="#">Quadrilateral angles</a>	7.G.B.5
<a href="#">Radius, diameter, and circumference</a>	7.G.B.4
<a href="#">Slicing 3D figures</a>	7.G.A.3
<a href="#">Solid geometry</a>	7.G.B.6
<a href="#">Solving for unknown angles</a>	7.G.B.5
<a href="#">Vertical angles</a>	7.G.B.5

#### RIT Range: 231 - 234

<a href="#">Parallel lines 1</a>	8.G.A.5
<a href="#">Parallel lines 2</a>	8.G.A.5
<a href="#">Volume word problems with cones, cylinders, and spheres</a>	8.G.C.9   HSG-GMD.A.3



## Geometry

### Geometric Measurement and Relationships

#### Standards Alignment

RIT Range: > 235

<a href="#">2D geometric models</a>	HSG-MG.A.1   HSG-MG.A.3
<a href="#">Areas of circles and sectors</a>	HSG-C.B.5
<a href="#">Radians and arc length</a>	HSG-C.B.5
<a href="#">Central, inscribed, and circumscribed angles</a>	HSG-C.A.2   HSG-C.A.3
<a href="#">Circles and arcs</a>	HSG-C.B.5
<a href="#">Constructing a line tangent to a circle</a>	HSG-C.A.4
<a href="#">Coordinate plane word problems with polygons</a>	HSG-GPE.B.7
<a href="#">Cross sections of 3D objects</a>	HSG-GMD.B.4
<a href="#">Dividing line segments</a>	HSG-GPE.B.6
<a href="#">Equation of a circle in factored form</a>	HSG-GPE.A.1
<a href="#">Equation of a circle in non-factored form</a>	HSG-GPE.A.1
<a href="#">Geometry problems on the coordinate plane</a>	HSG-GPE.B.4
<a href="#">Inscribing and circumscribing circles on a triangle</a>	HSG-C.A.3
<a href="#">Equations of parallel and perpendicular lines</a>	HSG-GPE.B.5
<a href="#">Midpoint formula</a>	HSG-GPE.B.6
<a href="#">Parabola intuition 1</a>	HSG-GPE.A.2
<a href="#">Parabola intuition 2</a>	HSG-GPE.A.2
<a href="#">Parabola intuition 3</a>	HSG-GPE.A.2
<a href="#">Pythagorean theorem and the equation of a circle</a>	HSG-GPE.A.1
<a href="#">Surface and volume density word problems</a>	HSG-MG.A.2
<a href="#">Volume word problems with cones, cylinders, and spheres</a>	8.G.C.9   HSG-GMD.A.3

## Operations and Algebraic Thinking

### Expressions and Equations

#### Standards Alignment

RIT Range: < 160

<a href="#">Put together</a>	K.OA.A.1
<a href="#">Take apart</a>	K.OA.A.1

## Operations and Algebraic Thinking

### Expressions and Equations

### Standards Alignment

#### RIT Range: 161 - 178

<a href="#">Adding three numbers</a>	1.OA.A.2
<a href="#">Addition within 20</a>	1.OA.C.6
<a href="#">Addition and subtraction within 10</a>	1.OA.D.8
<a href="#">Addition and subtraction word problems within 20: Level 1</a>	1.OA.A.1
<a href="#">Addition and subtraction word problems within 20: Level 2</a>	1.OA.A.1
<a href="#">Addition and subtraction word problems within 20: Level 3</a>	1.OA.A.1
<a href="#">Addition and subtraction word problems within 20: Level 4</a>	1.OA.A.1
<a href="#">Add within 100: Level 1</a>	1.NBT.C.4
<a href="#">Add within 100: Level 2</a>	1.NBT.C.4
<a href="#">Meaning of equal sign 1</a>	1.OA.D.7

#### RIT Range: 179 - 191

<a href="#">Addition and subtraction word problems within 100: Level 1</a>	2.OA.A.1
<a href="#">Addition and subtraction word problems within 100: Level 2</a>	2.OA.A.1
<a href="#">Addition and subtraction word problems within 100: Level 3</a>	2.OA.A.1
<a href="#">Addition and subtraction word problems within 100: Level 4</a>	2.OA.A.1
<a href="#">Add within 1000: Level 1</a>	2.NBT.B.7
<a href="#">Add within 1000: Level 2</a>	2.NBT.B.7
<a href="#">Comparing lengths</a>	2.OA.A.1
<a href="#">Counting money (U.S.)</a>	2.MD.C.8
<a href="#">Length word problems</a>	2.OA.A.1
<a href="#">Solving problems with picture graphs 1</a>	2.OA.A.1
<a href="#">Subtraction within 20</a>	2.NBT.B.5
<a href="#">Subtract within 1000: Level 1</a>	2.NBT.B.7
<a href="#">Subtract within 1000: Level 2</a>	2.NBT.B.7
<a href="#">Writing numbers to 1000</a>	2.NBT.A.3

#### RIT Range: 192 - 203

<a href="#">Addition within 100</a>	3.NBT.A.2
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## Operations and Algebraic Thinking

### Expressions and Equations

### Standards Alignment

#### RIT Range: 192 - 203

<a href="#">Addition within 1000</a>	3.NBT.A.2
<a href="#">Basic division</a>	3.OA.A.4
<a href="#">1- digit division</a>	3.OA.A.4
<a href="#">Multiplying 1-digit numbers</a>	3.OA.A.4
<a href="#">Properties of multiplication 1</a>	3.OA.B.5
<a href="#">Properties of multiplication 2</a>	3.OA.B.5
<a href="#">Solving basic multiplication and division equations</a>	3.OA.A.4   3.OA.A.4
<a href="#">Subtraction within 100</a>	3.NBT.A.2
<a href="#">Subtraction within 1000</a>	3.NBT.A.2
<a href="#">Telling time word problems</a>	3.MD.A.1
<a href="#">Two-step word problems with addition, subtraction, multiplication, and division</a>	3.OA.D.8

#### RIT Range: 204 - 212

<a href="#">Multiplication and division word problems</a>	4.OA.A.2
<a href="#">Comparing with multiplication</a>	4.OA.A.1
<a href="#">Measurement word problems with metric units</a>	4.MD.A.2
<a href="#">Measurement word problems with US customary units</a>	4.MD.A.2
<a href="#">Measuring and converting money word problems</a>	4.MD.A.2
<a href="#">Measuring time word problems</a>	4.MD.A.2
<a href="#">Multiplication without carrying</a>	4.NBT.B.5
<a href="#">Multiplication with carrying</a>	4.NBT.B.5
<a href="#">Multiplying 2 digits by 2 digits</a>	4.NBT.B.5
<a href="#">Multiplying 2 digits by 2 digits with area models</a>	4.NBT.B.5
<a href="#">Multiplying 4 digits by 1 digit with visual models</a>	4.NBT.B.5
<a href="#">Multiplying fractions and whole numbers word problems</a>	4.NF.B.4c
<a href="#">Multi-step word problems with whole numbers</a>	4.OA.A.3   4.OA.A.3

#### RIT Range: 213 - 220

<a href="#">Adding decimals 1</a>	5.NBT.B.7
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# Operations and Algebraic Thinking

## Expressions and Equations

### Standards Alignment

#### RIT Range: 213 - 220

<a href="#">Adding decimals 0.5</a>	5.NBT.B.7
<a href="#">Adding fractions with unlike denominators</a>	5.NF.A.1
<a href="#">Adding and subtracting mixed numbers 1</a>	5.NF.A.1
<a href="#">Converting measurements word problems</a>	5.MD.A.1
<a href="#">Converting units</a>	5.MD.A.1
<a href="#">Dividing completely</a>	5.NBT.B.7
<a href="#">Dividing decimals 1</a>	5.NBT.B.7
<a href="#">Dividing decimals 2</a>	5.NBT.B.7
<a href="#">Dividing decimals 3</a>	5.NBT.B.7
<a href="#">Division by 2 digits</a>	5.NBT.B.6
<a href="#">Expressions with parentheses</a>	5.OA.A.1   5.OA.A.2
<a href="#">Multiplying decimals 1</a>	5.NBT.B.7
<a href="#">Multiplying decimals 2</a>	5.NBT.B.7
<a href="#">Multiplying fractions by fractions word problems</a>	5.NF.B.6
<a href="#">Patterns in zeros</a>	5.NBT.A.2
<a href="#">Subtracting decimals</a>	5.NBT.B.7
<a href="#">Subtracting decimals 0.5</a>	5.NBT.B.7
<a href="#">Subtracting fractions with unlike denominators</a>	5.NF.A.1
<a href="#">Understanding moving the decimal</a>	5.NBT.A.2
<a href="#">Understanding fractions as division</a>	5.NF.B.3
<a href="#">Understanding multiplying fractions by fractions</a>	5.NF.B.4a

#### RIT Range: 221 - 225

<a href="#">Combining like terms</a>	6.EE.A.3
<a href="#">Dependent and independent variables</a>	6.EE.C.9
<a href="#">Constructing and solving equations in the real world 1</a>	6.EE.B.6   6.EE.B.7
<a href="#">Equivalent forms of expressions 1</a>	6.EE.A.3   6.EE.A.4
<a href="#">Evaluating expressions in one variable</a>	6.EE.A.2c
<a href="#">Evaluating expressions in 2 variables</a>	6.EE.A.2c

## Operations and Algebraic Thinking

### Expressions and Equations

### Standards Alignment

#### RIT Range: 221 - 225

<a href="#">Evaluating expressions with variables word problems</a>	6.EE.A.2   6.EE.A.2c
<a href="#">Evaluating numerical expressions with exponents</a>	6.EE.A.1
<a href="#">Evaluating numerical expressions with exponents word problems</a>	6.EE.A.1
<a href="#">Identifying parts of expressions</a>	6.EE.A.2b
<a href="#">Inequalities on a number line</a>	6.EE.B.8
<a href="#">Inequalities in one variable 1</a>	6.EE.B.6   6.EE.B.8
<a href="#">One-step equations with multiplication</a>	6.EE.B.7
<a href="#">One step equation intuition</a>	6.EE.B.7
<a href="#">One step equations</a>	6.EE.B.7
<a href="#">Order of operations</a>	6.EE.A.2c
<a href="#">Positive and zero exponents</a>	6.EE.A.1
<a href="#">Solving equations and inequalities through substitution</a>	6.EE.B.5
<a href="#">Writing expressions</a>	6.EE.A.2   6.EE.A.2a   6.EE.A.2b
<a href="#">Writing expressions 2</a>	6.EE.A.2   6.EE.A.2a   6.EE.A.2b
<a href="#">Writing expressions with variables word problems</a>	6.EE.A.2   6.EE.A.2a
<a href="#">Writing numerical expressions with exponents word problems</a>	6.EE.A.1

#### RIT Range: 226 - 230

<a href="#">Average word problems</a>	7.EE.B.3
<a href="#">Combining like terms with distribution</a>	7.EE.A.1
<a href="#">Discount, tax, and tip word problems</a>	7.EE.B.3
<a href="#">Interpreting linear expressions</a>	7.EE.A.2
<a href="#">Interpreting and solving linear inequalities</a>	7.EE.B.4b
<a href="#">2- step equations</a>	7.EE.B.4
<a href="#">Linear equation word problems</a>	7.EE.B.4   7.EE.B.4a
<a href="#">Manipulating linear expressions with rational coefficients</a>	7.EE.A.1
<a href="#">Markup and commission word problems</a>	7.EE.B.3
<a href="#">Multi-step equations without variables</a>	7.EE.B.3
<a href="#">One step inequalities</a>	7.EE.B.4

# Operations and Algebraic Thinking

## Expressions and Equations

## Standards Alignment

RIT Range: 231 - 234

<a href="#">Age word problems</a>	8.EE.C.7   8.EE.C.7b
<a href="#">Angle addition postulate</a>	8.EE.C.7b
<a href="#">Rates and proportional relationships</a>	8.EE.B.5
<a href="#">Computing in scientific notation</a>	8.EE.A.4
<a href="#">Constructing consistent and inconsistent systems</a>	8.EE.C.8a
<a href="#">Converting multi-digit repeating decimals to fractions</a>	8.EE.C.7
<a href="#">Cube roots</a>	8.EE.A.2
<a href="#">Evaluating expressions with exponents</a>	8.EE.A.1
<a href="#">Negative exponents</a>	8.EE.A.1
<a href="#">Graphical solutions to systems</a>	8.EE.C.8a
<a href="#">Graphing systems of equations</a>	8.EE.C.8   8.EE.C.8a   HSA-REI.C.6
<a href="#">Graphing proportional relationships</a>	8.EE.B.5
<a href="#">Integer sums</a>	8.EE.C.7b
<a href="#">Equations with variables on both sides</a>	8.EE.C.7   8.EE.C.7b
<a href="#">Midpoint of a segment</a>	8.EE.C.7b
<a href="#">Multiplying and dividing scientific notation</a>	8.EE.A.4
<a href="#">Multi-step equations with distribution</a>	8.EE.C.7   8.EE.C.7b
<a href="#">Orders of magnitude</a>	8.EE.A.3
<a href="#">Scientific notation</a>	8.EE.A.4
<a href="#">Segment addition</a>	8.EE.C.7b
<a href="#">Slope and triangle similarity</a>	8.EE.B.6
<a href="#">Solutions to systems of equations</a>	8.EE.C.8   HSA-REI.C.6
<a href="#">Solutions to linear equations</a>	8.EE.C.7   8.EE.C.7a
<a href="#">Square roots of perfect squares</a>	8.EE.A.2
<a href="#">Systems of equations</a>	8.EE.C.8   8.EE.C.8a   8.EE.C.8b   HSA-REI.C.6
<a href="#">Systems of equations with elimination</a>	8.EE.C.8   8.EE.C.8b
<a href="#">Systems of equations with simple elimination</a>	8.EE.C.8   8.EE.C.8b
<a href="#">Systems of equations with substitution</a>	8.EE.C.8   8.EE.C.8b

# Operations and Algebraic Thinking

## Expressions and Equations

### Standards Alignment

#### RIT Range: 231 - 234

[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

[Vertical angles 2](#)

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 expressions with variable exponents](#)

HSA-SSE.B.3c

[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 the structure of expressions](#)

HSA-SSE.A.1 | HSA-SSE.A.1a | HSA-SSE.A.1b

[Intersecting functions](#)

HSA-REI.D.11

[Multi-step linear inequalities](#)

HSA-REI.B.3

## Operations and Algebraic Thinking

### Expressions and Equations

#### Standards Alignment

RIT Range: > 235

<a href="#">Manipulating formulas</a>	HSA-CED.A.4
<a href="#">Modeling constraints</a>	HSA-CED.A.3
<a href="#">Modeling with one-variable equations and inequalities</a>	HSA-CED.A.1
<a href="#">Modeling with two-variable equations and graphs</a>	HSA-CED.A.2
<a href="#">Multiplying polynomials</a>	HSA-APR.A.1
<a href="#">Using the quadratic formula</a>	HSA-REI.B.4   HSA-REI.B.4b
<a href="#">Quadratic formula with complex solutions</a>	HSA-REI.B.4   HSA-REI.B.4b   HSN-CN.C.7
<a href="#">Rewriting quadratic expressions to reveal key features</a>	HSA-SSE.B.3   HSA-SSE.B.3a   HSA-SSE.B.3b
<a href="#">Solutions to quadratic equations</a>	HSA-REI.B.4   HSA-REI.B.4b
<a href="#">Solutions to systems of equations</a>	8.EE.C.8   HSA-REI.C.6
<a href="#">Solving equations in terms of a variable</a>	HSA-CED.A.4
<a href="#">Solving quadratics by factoring</a>	HSA-REI.B.4   HSA-REI.B.4b   HSA-SSE.B.3   HSA-SSE.B.3a
<a href="#">Solving quadratics by factoring 2</a>	HSA-REI.B.4   HSA-REI.B.4b   HSA-SSE.B.3   HSA-SSE.B.3a
<a href="#">Solving quadratics by taking the square root</a>	HSA-REI.B.4   HSA-REI.B.4b
<a href="#">Structure in expressions 1</a>	HSA-SSE.A.1   HSA-SSE.A.1a   HSA-SSE.A.1b
<a href="#">Systems of equations</a>	8.EE.C.8   8.EE.C.8a   8.EE.C.8b   HSA-REI.C.6
<a href="#">Systems of equations word problems</a>	8.EE.C.8   8.EE.C.8c   HSA-REI.C.6
<a href="#">Systems of nonlinear equations</a>	HSA-REI.C.7
<a href="#">Graphically understanding solution methods to systems of equations</a>	HSA-REI.C.5
<a href="#">Understanding the process for solving quadratic equations</a>	HSA-REI.A.1
<a href="#">Understanding the process for solving linear equations</a>	HSA-REI.A.1
<a href="#">Vertex of a parabola</a>	HSA-SSE.B.3   HSA-SSE.B.3b

## Operations and Algebraic Thinking

### Use Functions to Model Relationships

#### Standards Alignment

RIT Range: 231 - 234

<a href="#">Comparing linear functions</a>	8.F.A.2
<a href="#">Comparing linear functions applications</a>	8.F.A.2



## Operations and Algebraic Thinking

### Use Functions to Model Relationships

### Standards Alignment

#### RIT Range: 231 - 234

<a href="#">Constructing and interpreting linear functions</a>	8.F.B.4   8.F.B.5
<a href="#">Graphing linear equations</a>	8.F.B.4   8.F.B.5   HSF-IF.C.7a
<a href="#">Ordered pair solutions to linear equations</a>	8.F.B.4
<a href="#">Interpreting linear relationships</a>	8.F.B.5
<a href="#">Interpreting and finding intercepts of linear functions</a>	8.F.B.4
<a href="#">Interpreting linear functions</a>	8.F.B.4
<a href="#">Interpreting graphs of linear and nonlinear functions</a>	8.F.B.5   HSA-REI.D.10
<a href="#">Linear function intercepts</a>	8.F.B.4   HSF-IF.C.7a
<a href="#">Linear and nonlinear functions</a>	8.F.A.3
<a href="#">Equations from tables</a>	8.F.B.4
<a href="#">Recognizing functions</a>	8.F.A.1
<a href="#">Identifying slope of a line</a>	8.F.B.4
<a href="#">Solving for the x-intercept</a>	8.F.B.4
<a href="#">Solving for the y-intercept</a>	8.F.B.4
<a href="#">Views of a function</a>	8.F.A.1

#### RIT Range: > 235

<a href="#">Average rate of change</a>	HSF-IF.B.6
<a href="#">Comparing features of functions</a>	HSF-IF.C.9
<a href="#">Comparing growth rates of exponentials and polynomials</a>	HSF-LE.A.3
<a href="#">Constructing linear and exponential functions</a>	HSF-LE.A.2
<a href="#">Converting between point-slope and slope-intercept form</a>	HSF-IF.C.7a
<a href="#">Converting between slope-intercept and standard form</a>	HSF-IF.C.7a
<a href="#">Domain and range from graph</a>	HSF-IF.B.5
<a href="#">Domain of a function</a>	HSF-IF.A.1   HSF-IF.B.5
<a href="#">Even and odd functions</a>	HSF-BF.B.3
<a href="#">Features of trigonometric functions</a>	HSF-IF.C.7e
<a href="#">Understanding function notation</a>	HSF-IF.A.2
<a href="#">Evaluating expressions with function notation</a>	HSF-IF.A.2

## Operations and Algebraic Thinking

### Use Functions to Model Relationships

### Standards Alignment

RIT Range: > 235

<a href="#">Graphing linear equations</a>	8.F.B.4   8.F.B.5   HSF-IF.C.7a
<a href="#">Graphing parabolas in standard form</a>	HSF-IF.C.7a
<a href="#">Graphing parabolas in vertex form</a>	HSF-IF.C.7a
<a href="#">Graphing parabolas in all forms</a>	HSF-IF.C.7a
<a href="#">Graphs of piecewise functions</a>	HSF-IF.C.7b
<a href="#">Graphs of absolute value functions</a>	HSF-IF.C.7b
<a href="#">Graphs of exponentials and logarithms</a>	HSF-IF.C.7e
<a href="#">Graphs of square root functions</a>	HSF-IF.C.7b
<a href="#">Graphs of trigonometric functions</a>	HSF-IF.C.7e
<a href="#">Interpreting features of functions</a>	HSF-IF.B.4
<a href="#">Interpreting graphs of linear and nonlinear functions</a>	8.F.B.5   HSA-REI.D.10
<a href="#">Inverses of linear functions</a>	HSF-BF.B.4a
<a href="#">Line graph intuition</a>	HSF-IF.C.7a
<a href="#">Linear function intercepts</a>	8.F.B.4   HSF-IF.C.7a
<a href="#">Modeling with exponential functions</a>	HSF-LE.B.5
<a href="#">Modeling with one-variable equations and inequalities</a>	HSF-BF.A.1b
<a href="#">Point slope form</a>	HSF-IF.C.7a
<a href="#">Positive and negative parts of functions</a>	HSF-IF.B.4
<a href="#">Range of a function</a>	HSF-IF.A.1
<a href="#">Recognizing features of functions</a>	HSF-IF.B.4
<a href="#">Recognizing functions 2</a>	HSF-IF.A.1
<a href="#">Recursive and explicit functions</a>	HSF-BF.A.1a   HSF-BF.A.2   HSF-IF.A.3
<a href="#">Rewriting quadratic expressions to reveal key features</a>	HSF-IF.C.8   HSF-IF.C.8a
<a href="#">Shifting and reflecting functions</a>	HSF-BF.B.3
<a href="#">Slope intercept form</a>	HSF-IF.C.7a
<a href="#">Understanding linear and exponential models</a>	HSF-LE.A.1a   HSF-LE.A.1b   HSF-LE.A.1c

## Statistics and Probability

### Interpreting Categorical and Quantitative Data

### Standards Alignment

#### RIT Range: 161 - 178

[Solving problems with bar graphs 1](#)

1.MD.C.4

#### RIT Range: 179 - 191

[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 | 2.OA.A.1

#### 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

#### RIT Range: 204 - 212

[Interpreting line plots with fraction addition and subtraction](#)

4.MD.B.4

#### RIT Range: 213 - 220

[Interpreting line plots with fraction multiplication and division](#)

5.MD.B.2

[Visualizing and interpreting relationships between patterns](#)

5.OA.B.3

#### RIT Range: 221 - 225

[Analyzing data with box plots](#)

6.SP.A.2 | 6.SP.A.3 | 6.SP.B.5

[Creating bar charts](#)

6.SP.B.4

[Creating box and whisker plots](#)

6.SP.B.4

[Exploring mean and median](#)

6.SP.B.5d

[Mean, median, and mode](#)

6.SP.A.2 | 6.SP.A.3 | 6.SP.B.5 | 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

[Reading pictographs 2](#)

6.SP.B.5 | 6.SP.B.5a

## Statistics and Probability

### Interpreting Categorical and Quantitative Data

#### Standards Alignment

RIT Range: 221 - 225

[Statistical questions](#)

6.SP.A.1

[Understanding the mean](#)

6.SP.A.2 | 6.SP.A.3

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

[Frequencies of bivariate data](#)

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

[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.8b

[Probability space](#)

7.SP.C.8b

[Finding probability](#)

7.SP.C.6

## Statistics and Probability

### Using Sampling and Probability to Make Decisions

#### Standards Alignment

RIT Range: 226 - 230

[Probability 1](#)

7.SP.C.7 | 7.SP.C.7a

[Probability models](#)

7.SP.C.7 | 7.SP.C.7b

[Sample spaces for compound events](#)

7.SP.C.8b

[Understanding probability](#)

7.SP.C.5

[Valid claims](#)

7.SP.A.1

[Variation in samples](#)

7.SP.A.2

RIT Range: > 235

[Adding probabilities](#)

HSS-CP.B.7

[Describing subsets of sample spaces](#)

HSS-CP.A.1

[Identifying dependent and independent events](#)

HSS-CP.A.2 | HSS-CP.A.3

## 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

[Count to 100](#)

K.CC.A.1

[How many objects 1](#)

K.CC.B.5

[How many objects 2](#)

K.CC.B.5

[Teen numbers 1](#)

K.NBT.A.1

RIT Range: 161 - 178

[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

[Numbers to 120](#)

1.NBT.A.1

[Teen numbers 2](#)

1.NBT.B.2 | 1.NBT.B.2b

[Understanding 2-digit numbers](#)

1.NBT.B.2

# The Real and Complex Number Systems

## Extend and Use Properties

## Standards Alignment

### RIT Range: 179 - 191

<a href="#">Comparing whole numbers</a>	2.NBT.A.4
<a href="#">Comparing numbers within 1000</a>	2.NBT.A.4
<a href="#">Counting money (U.S.)</a>	2.NBT.A.2
<a href="#">Equal parts of circles and rectangles</a>	2.G.A.3
<a href="#">Hundreds, tens, and ones</a>	2.NBT.A.1   2.NBT.A.1a   2.NBT.A.1b
<a href="#">Skip-counting by 100s</a>	2.NBT.A.2
<a href="#">Skip-counting by 10s</a>	2.NBT.A.2
<a href="#">Skip-counting by 5s</a>	2.NBT.A.2
<a href="#">Writing numbers to 1000</a>	2.NBT.A.3

### RIT Range: 192 - 203

<a href="#">Addition within 100</a>	3.NBT.A.2
<a href="#">Comparing fractions 1</a>	3.NF.A.3   3.NF.A.3d
<a href="#">Comparing fractions with the same denominator</a>	3.NF.A.3   3.NF.A.3d
<a href="#">Comparing fractions with the same numerator</a>	3.NF.A.3   3.NF.A.3d
<a href="#">Cutting shapes into equal parts</a>	3.G.A.2
<a href="#">Equivalent fraction models</a>	3.NF.A.3   3.NF.A.3b
<a href="#">Finding 1 on the number line</a>	3.NF.A.2   3.NF.A.2b   3.NF.A.3c
<a href="#">Fractions on the number line 1</a>	3.NF.A.2
<a href="#">Fractions on the number line 2</a>	3.NF.A.2   3.NF.A.2b
<a href="#">Fractions greater than one</a>	3.NF.A.1   3.NF.A.1
<a href="#">Meaning of division</a>	3.OA.A.2
<a href="#">Meaning of multiplication</a>	3.OA.A.1
<a href="#">Naming the whole</a>	3.NF.A.3d
<a href="#">Properties of multiplication 1</a>	3.OA.B.5
<a href="#">Properties of multiplication 2</a>	3.OA.B.5
<a href="#">Identifying numerators and denominators</a>	3.NF.A.1
<a href="#">Recognizing fractions</a>	3.NF.A.1   3.NF.A.1
<a href="#">Rounding to the nearest ten or hundred</a>	3.NBT.A.1

## The Real and Complex Number Systems

### Extend and Use Properties

### Standards Alignment

#### RIT Range: 192 - 203

[Subtraction within 100](#)

3.NBT.A.2

#### RIT Range: 204 - 212

[Adding fractions with 10 and 100 as denominators](#)

4.NF.C.5

[Adding and subtracting mixed numbers 0.5](#)

4.NF.B.3c

[Comparing decimals 1](#)

4.NF.C.7

[Comparing fractions 2](#)

4.NF.A.2

[Comparing improper fractions and mixed numbers](#)

4.NF.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

[Decimals on the number line 1](#)

4.NF.C.6 | 4.NF.C.6

[Decimals on the number line 2](#)

4.NF.C.6 | 4.NF.C.6

[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

[Rounding whole numbers](#)

4.NBT.A.3

[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 | 5.NBT.A.1

# The Real and Complex Number Systems

## Extend and Use Properties

## Standards Alignment

### RIT Range: 213 - 220

<a href="#">Coordinate plane word problems in the first quadrant</a>	5.G.A.2
<a href="#">Graphing points</a>	5.G.A.1   5.G.A.2
<a href="#">Ordering decimals</a>	5.NBT.A.3b
<a href="#">Patterns in zeros</a>	5.NBT.A.2
<a href="#">Regrouping decimals</a>	5.NBT.A.1
<a href="#">Regrouping whole numbers</a>	5.NBT.A.1
<a href="#">Rounding numbers</a>	5.NBT.A.4
<a href="#">Money and decimal place value intuition</a>	5.NBT.A.3
<a href="#">Understanding moving the decimal</a>	5.NBT.A.2
<a href="#">Understanding fractions as division</a>	5.NF.B.3
<a href="#">Writing and interpreting decimals</a>	5.NBT.A.3a

### RIT Range: 221 - 225

<a href="#">Finding absolute values</a>	6.NS.C.7   6.NS.C.7c
<a href="#">Absolute value word problems</a>	6.NS.C.7   6.NS.C.7c   6.NS.C.7d
<a href="#">Comparing absolute values</a>	6.NS.C.7   6.NS.C.7c
<a href="#">Coordinate plane word problems in all four quadrants</a>	6.NS.C.8
<a href="#">Decimals on the number line 3</a>	6.NS.C.6c
<a href="#">Fractions on the number line 3</a>	6.NS.C.6
<a href="#">Graphing points and naming quadrants</a>	6.NS.C.6   6.NS.C.6b   6.NS.C.6c
<a href="#">Points on the coordinate plane</a>	6.NS.C.6   6.NS.C.6b   6.NS.C.6c
<a href="#">Negative number word problems</a>	6.NS.C.5
<a href="#">Negative numbers on the number line</a>	6.NS.C.6   6.NS.C.6a   6.NS.C.6c
<a href="#">Number line 3</a>	6.NS.C.6   6.NS.C.6a   6.NS.C.6c
<a href="#">Number opposites</a>	6.NS.C.6   6.NS.C.6a
<a href="#">Ordering negative numbers</a>	6.NS.C.7   6.NS.C.7c
<a href="#">Reflecting points</a>	6.NS.C.6   6.NS.C.6c
<a href="#">Comparing positive and negative numbers on the number line</a>	6.NS.C.7a
<a href="#">Writing numerical inequalities</a>	6.NS.C.7b



## The Real and Complex Number Systems

### Extend and Use Properties

#### Standards Alignment

#### RIT Range: 231 - 234

<a href="#">Approximating irrational numbers</a>	8.NS.A.2
<a href="#">Converting decimals to fractions 2</a>	8.NS.A.1
<a href="#">Converting 1-digit repeating decimals to fractions</a>	8.NS.A.1
<a href="#">Converting multi-digit repeating decimals to fractions</a>	8.NS.A.1
<a href="#">Properties of exponents</a>	8.EE.A.1
<a href="#">Recognizing rational and irrational numbers</a>	8.NS.A.1
<a href="#">Scientific notation intuition</a>	8.EE.A.4
<a href="#">Writing fractions as repeating decimals</a>	8.NS.A.1

#### RIT Range: > 235

<a href="#">Fractional exponents</a>	HSN-RN.A.2
<a href="#">Fractional exponents 2</a>	HSN-RN.A.2
<a href="#">Manipulating fractional exponents</a>	HSN-RN.A.2
<a href="#">Simplifying radicals 2</a>	HSN-RN.A.2
<a href="#">Simplifying expressions with exponents</a>	HSN-RN.A.2

## The Real and Complex Number Systems

### Perform Operations

#### Standards Alignment

#### RIT Range: < 160

<a href="#">Addition word problems within 10</a>	K.OA.A.2
<a href="#">Making five</a>	K.OA.A.4
<a href="#">Making ten</a>	K.OA.A.4
<a href="#">Making ten 2</a>	K.OA.A.4
<a href="#">Subtraction word problems within 10</a>	K.OA.A.2

#### RIT Range: 161 - 178

<a href="#">Adding three numbers</a>	1.OA.A.2
<a href="#">Addition within 20</a>	1.OA.C.6
<a href="#">Addition and subtraction within 10</a>	1.OA.D.8

## The Real and Complex Number Systems

### Perform Operations

### Standards Alignment

#### RIT Range: 161 - 178

<a href="#">Addition and subtraction word problems within 20: Level 1</a>	1.OA.A.1
<a href="#">Addition and subtraction word problems within 20: Level 2</a>	1.OA.A.1
<a href="#">Addition and subtraction word problems within 20: Level 3</a>	1.OA.A.1
<a href="#">Addition and subtraction word problems within 20: Level 4</a>	1.OA.A.1
<a href="#">Add within 100: Level 1</a>	1.NBT.C.4
<a href="#">Add within 100: Level 2</a>	1.NBT.C.4
<a href="#">Meaning of equal sign 1</a>	1.OA.D.7
<a href="#">Subtract tens</a>	1.NBT.C.6

#### RIT Range: 179 - 191

<a href="#">Addition and subtraction word problems within 100: Level 1</a>	2.OA.A.1
<a href="#">Addition and subtraction word problems within 100: Level 2</a>	2.OA.A.1
<a href="#">Addition and subtraction word problems within 100: Level 3</a>	2.OA.A.1
<a href="#">Addition and subtraction word problems within 100: Level 4</a>	2.OA.A.1
<a href="#">Add within 1000: Level 1</a>	2.NBT.B.7
<a href="#">Add within 1000: Level 2</a>	2.NBT.B.7
<a href="#">Length word problems</a>	2.OA.A.1
<a href="#">Repeated addition</a>	2.OA.C.4
<a href="#">Subtraction within 20</a>	2.NBT.B.5
<a href="#">Subtract within 1000: Level 1</a>	2.NBT.B.7
<a href="#">Subtract within 1000: Level 2</a>	2.NBT.B.7

#### RIT Range: 192 - 203

<a href="#">Addition within 100</a>	3.NBT.A.2
<a href="#">Addition within 1000</a>	3.NBT.A.2   4.NBT.B.4
<a href="#">Basic division</a>	3.OA.A.4
<a href="#">1-digit division</a>	3.OA.A.4
<a href="#">Mass word problems</a>	3.MD.A.2
<a href="#">Multiplying 1-digit numbers</a>	3.OA.A.4

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### Perform Operations

### Standards Alignment

#### RIT Range: 192 - 203

<a href="#">Multiply by tens</a>	3.NBT.A.3
<a href="#">Multiply by tens word problems</a>	3.NBT.A.3
<a href="#">Number line 1</a>	3.OA.C.7
<a href="#">Math patterns 1</a>	3.OA.D.9
<a href="#">Identifying numerators and denominators</a>	3.NF.A.1
<a href="#">Relate division to multiplication</a>	3.OA.B.6
<a href="#">Subtraction within 100</a>	3.NBT.A.2
<a href="#">Subtraction within 1000</a>	3.NBT.A.2   4.NBT.B.4
<a href="#">Telling time word problems</a>	3.MD.A.1
<a href="#">Two-step word problems with addition, subtraction, multiplication, and division</a>	3.OA.D.8

#### RIT Range: 204 - 212

<a href="#">Adding fractions with 10 and 100 as denominators</a>	4.NF.C.5
<a href="#">Adding and subtracting mixed numbers 0.5</a>	4.NF.B.3c
<a href="#">Adding and subtracting fractions with like denominators word problems</a>	4.NF.B.3d
<a href="#">Addition within 1000</a>	3.NBT.A.2   4.NBT.B.4
<a href="#">Multiplication and division word problems</a>	4.OA.A.2
<a href="#">Comparing with multiplication</a>	4.OA.A.1
<a href="#">Converting decimals to fractions 1</a>	4.NF.C.6
<a href="#">Fractions as division by 10 or 100</a>	4.NF.C.6
<a href="#">Decomposing fractions</a>	4.NF.B.3b
<a href="#">Divisibility 0.5</a>	4.OA.B.4
<a href="#">Divisibility intuition</a>	4.OA.B.4
<a href="#">Multi-digit division without remainders</a>	4.NBT.B.6
<a href="#">Division with remainders</a>	4.NBT.B.6
<a href="#">Fraction word problems 1</a>	4.NF.B.3d
<a href="#">Fractions as division by a multiple of 10</a>	4.NF.C.6
<a href="#">Measurement word problems with metric units</a>	4.MD.A.2

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### Perform Operations

### Standards Alignment

#### RIT Range: 204 - 212

<a href="#">Measurement word problems with US customary units</a>	4.MD.A.2
<a href="#">Measuring and converting money word problems</a>	4.MD.A.2
<a href="#">Measuring time word problems</a>	4.MD.A.2
<a href="#">Multiplication without carrying</a>	4.NBT.B.5
<a href="#">Multiplication with carrying</a>	4.NBT.B.5
<a href="#">Multiplying 2 digits by 2 digits</a>	4.NBT.B.5
<a href="#">Multiplying fractions by integers</a>	4.NF.B.4
<a href="#">Multiplying 2 digits by 2 digits with area models</a>	4.NBT.B.5
<a href="#">Multiplying 4 digits by 1 digit with visual models</a>	4.NBT.B.5
<a href="#">Multiplying fractions and whole numbers word problems</a>	4.NF.B.4c
<a href="#">Multi-step word problems with whole numbers</a>	4.OA.A.3
<a href="#">Subtracting fractions with common denominators</a>	4.NF.B.3a
<a href="#">Subtraction within 1000</a>	3.NBT.A.2   4.NBT.B.4
<a href="#">Understanding multiplying fractions and whole numbers</a>	4.NF.B.4   4.NF.B.4a
<a href="#">Understanding place value</a>	4.NBT.A.1

#### RIT Range: 213 - 220

<a href="#">Adding decimals 1</a>	5.NBT.B.7
<a href="#">Adding decimals 0.5</a>	5.NBT.B.7
<a href="#">Adding fractions with unlike denominators</a>	5.NF.A.1
<a href="#">Adding and subtracting mixed numbers 1</a>	5.NF.A.1
<a href="#">Adding and subtracting fractions with unlike denominators word problems</a>	5.NF.A.2
<a href="#">Dividing completely</a>	5.NBT.B.7
<a href="#">Dividing decimals 1</a>	5.NBT.B.7
<a href="#">Dividing decimals 2</a>	5.NBT.B.7
<a href="#">Dividing decimals 3</a>	5.NBT.B.7
<a href="#">Dividing whole numbers by fractions</a>	5.NF.B.7
<a href="#">Dividing fractions by whole numbers</a>	5.NF.B.7   5.NF.B.7a
<a href="#">Division by 2 digits</a>	5.NBT.B.6

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### Perform Operations

### Standards Alignment

#### RIT Range: 213 - 220

<a href="#">Division with fractions and whole numbers word problems</a>	5.NF.B.7c
<a href="#">Expressions with parentheses</a>	5.OA.A.1   5.OA.A.2
<a href="#">Multi-digit multiplication</a>	5.NBT.B.5
<a href="#">Multiplying decimals 1</a>	5.NBT.B.7
<a href="#">Multiplying decimals 2</a>	5.NBT.B.7
<a href="#">Multiplying fractions by fractions word problems</a>	5.NF.B.6
<a href="#">Patterns in zeros</a>	5.NBT.A.2
<a href="#">Regrouping decimals</a>	5.NBT.A.1
<a href="#">Regrouping whole numbers</a>	5.NBT.A.1
<a href="#">Subtracting decimals</a>	5.NBT.B.7
<a href="#">Subtracting decimals 0.5</a>	5.NBT.B.7
<a href="#">Subtracting fractions with unlike denominators</a>	5.NF.A.1
<a href="#">Understanding moving the decimal</a>	5.NBT.A.2
<a href="#">Understanding fractions as division</a>	5.NF.B.3

#### RIT Range: 221 - 225

<a href="#">Adding and subtracting decimals word problems</a>	6.NS.B.3
<a href="#">Adding decimals 2</a>	6.NS.B.3
<a href="#">Dividing decimals 4</a>	6.NS.B.3
<a href="#">Dividing positive fractions</a>	6.NS.A.1
<a href="#">Dividing fractions by fractions and whole numbers applications</a>	6.NS.A.1
<a href="#">Multi-digit division</a>	6.NS.B.2
<a href="#">Greatest common divisor</a>	6.NS.B.4
<a href="#">Least common multiple</a>	6.NS.B.4
<a href="#">Multiplying decimals 3</a>	6.NS.B.3
<a href="#">Subtracting decimals 2</a>	6.NS.B.3
<a href="#">Understanding dividing fractions by fractions</a>	6.NS.A.1

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### Perform Operations

### Standards Alignment

#### RIT Range: 226 - 230

<a href="#">Adding and subtracting fractions</a>	7.NS.A.1   7.NS.A.1d
<a href="#">Adding and subtracting negative numbers</a>	7.NS.A.1   7.NS.A.1c   7.NS.A.1d
<a href="#">Adding and subtracting rational numbers</a>	7.NS.A.1d
<a href="#">Adding negative numbers</a>	7.NS.A.1   7.NS.A.1c
<a href="#">Adding and subtracting negative numbers word problems</a>	7.NS.A.1   7.NS.A.1b   7.NS.A.1c
<a href="#">Constructing and interpreting absolute value</a>	7.NS.A.1   7.NS.A.1a   7.NS.A.1b   7.NS.A.1c
<a href="#">Converting fractions to decimals</a>	7.NS.A.2   7.NS.A.2d
<a href="#">Dividing positive and negative fractions</a>	7.NS.A.2b
<a href="#">Positive and zero exponents of integers</a>	7.NS.A.2
<a href="#">Positive exponents with positive and negative bases</a>	7.NS.A.2
<a href="#">Multiplying and dividing negative numbers</a>	7.NS.A.2   7.NS.A.2a
<a href="#">Multiplying fractions</a>	7.NS.A.2a
<a href="#">Operations with rational numbers</a>	7.NS.A.3
<a href="#">Order of operations with negative numbers</a>	7.NS.A.1   7.NS.A.2
<a href="#">Rational number word problems</a>	7.NS.A.3
<a href="#">Understanding addition and subtraction with negative numbers</a>	7.NS.A.1   7.NS.A.1a   7.NS.A.1b   7.NS.A.1c   7.NS.A.1d

#### RIT Range: > 235

<a href="#">Adding and subtracting complex numbers</a>	HSN-CN.A.2
<a href="#">Adding and subtracting radicals</a>	HSN-RN.A.2
<a href="#">Imaginary unit powers</a>	HSN-CN.A.2
<a href="#">Measurement precision</a>	HSN-Q.A.3
<a href="#">Multiplying complex numbers</a>	HSN-CN.A.2
<a href="#">The imaginary unit and complex numbers</a>	HSN-CN.A.1
<a href="#">Units and scale of graphs</a>	HSN-Q.A.1
<a href="#">Reasonable units</a>	HSN-Q.A.1
<a href="#">Working with units algebraically</a>	HSN-Q.A.1

# The Real and Complex Number Systems

## Ratios and Proportional Relationships

### Standards Alignment

#### RIT Range: 192 - 203

<a href="#">Comparing fractions 1</a>	3.NF.A.3
<a href="#">Comparing fractions with the same denominator</a>	3.NF.A.3
<a href="#">Comparing fractions with the same numerator</a>	3.NF.A.3
<a href="#">Equivalent fraction models</a>	3.NF.A.3   3.NF.A.3b

#### RIT Range: 204 - 212

<a href="#">Multiplication and division word problems</a>	4.OA.A.2
<a href="#">Comparing fractions 2</a>	4.NF.A.2
<a href="#">Comparing improper fractions and mixed numbers</a>	4.NF.A.2
<a href="#">Measurement units</a>	4.MD.A.1   4.MD.A.1
<a href="#">Measurement word problems with metric units</a>	4.MD.A.2
<a href="#">Measurement word problems with US customary units</a>	4.MD.A.2
<a href="#">Measuring and converting money word problems</a>	4.MD.A.2
<a href="#">Measuring time word problems</a>	4.MD.A.2
<a href="#">Multi-step word problems with whole numbers</a>	4.OA.A.3
<a href="#">Ordering fractions</a>	4.NF.A.2
<a href="#">Unit sense</a>	4.MD.A.1

#### RIT Range: 213 - 220

<a href="#">Adding and subtracting fractions with unlike denominators word problems</a>	5.NF.A.2
<a href="#">Converting measurements word problems</a>	5.MD.A.1
<a href="#">Converting units</a>	5.MD.A.1
<a href="#">Division by 2 digits</a>	5.NBT.B.6
<a href="#">Division with fractions and whole numbers word problems</a>	5.NF.B.7c
<a href="#">Multiplying fractions by fractions word problems</a>	5.NF.B.6

#### RIT Range: 221 - 225

<a href="#">Finding percents</a>	6.RP.A.3   6.RP.A.3c
<a href="#">Percentage word problems 1</a>	6.RP.A.3   6.RP.A.3c
<a href="#">Rate problems 0.5</a>	6.RP.A.2   6.RP.A.3   6.RP.A.3b

## The Real and Complex Number Systems

### Ratios and Proportional Relationships

### Standards Alignment

#### RIT Range: 221 - 225

[Ratio word problems](#)

6.RP.A.2 | 6.RP.A.3 | 6.RP.A.3b

[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

[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