

# MAP to Khan Academy:

## Khan Academy Practice Exercises Correlated to RIT for Common Core Math MAP Grades 2-5

### 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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**Common Core MAP Mathematics  
Khan Academy Practice Exercises Correlation  
Common Core Mathematics 2-5**

**Geometry**

Reason with Shapes, Attributes, & Coordinate Plane P 4

**Measurement and Data**

Geometric Measurement and Problem Solving P 5

Represent and Interpret Data P 8

**Number and Operations**

Number and Operations - Fractions P 10

Number and Operations in Base Ten P 12

Understand Place Value, Counting, and Cardinality P 15

**Operations and Algebraic Thinking**

Analyze Patterns and Relationships P 17

Represent and Solve Problems P 18

## Geometry

### Reason with Shapes, Attributes, & Coordinate Plane

### Standards Alignment

#### RIT Range: < 160

<a href="#">Comparing shapes</a>	K.G.B.4
<a href="#">Composing shapes</a>	K.G.B.6
<a href="#">Naming shapes</a>	K.G.A.1
<a href="#">Naming shapes 2</a>	K.G.A.2

#### RIT Range: 161-178

<a href="#">Naming shapes 3</a>	1.G.A.1
<a href="#">Halves and fourths</a>	1.G.A.3

#### RIT Range: 179-191

<a href="#">Equal parts of circles and rectangles</a>	2.G.A.3
<a href="#">Filling rectangles with same-sized squares</a>	2.G.A.2
<a href="#">Naming shapes 4</a>	2.G.A.1

#### RIT Range: 192-202

<a href="#">Categorize quadrilaterals</a>	3.G.A.1
<a href="#">Identifying unit fractions</a>	3.G.A.2
<a href="#">Cutting shapes into equal parts</a>	3.G.A.2

#### RIT Range: 203-212

<a href="#">Angle types</a>	4.G.A.1
<a href="#">Axis of symmetry</a>	4.G.A.3
<a href="#">Classifying shapes by line and angle types</a>	4.G.A.2
<a href="#">Drawing rays, lines, and line segments</a>	4.G.A.1
<a href="#">Drawing right, acute, and obtuse angles</a>	4.G.A.1
<a href="#">Quadrilateral types</a>	4.G.A.2
<a href="#">Recognizing rays, lines, and line segments</a>	4.G.A.1
<a href="#">Recognizing angles</a>	4.G.A.1
<a href="#">Recognizing parallel and perpendicular lines</a>	4.G.A.1
<a href="#">Recognizing triangle types</a>	4.G.A.2

## Geometry

### Reason with Shapes, Attributes, & Coordinate Plane

#### Standards Alignment

#### RIT Range: 213-219

<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="#">Identifying points</a>	5.G.A.1
<a href="#">Properties of shapes</a>	5.G.B.3   5.G.B.4
<a href="#">Shapes on the coordinate plane</a>	5.G.A.1

#### RIT Range: 220-223

<a href="#">Coordinate plane problems in all four quadrants</a>	6.NS.C.8
<a href="#">Distance between points in first quadrant of coordinate plane</a>	6.NS.C.8
<a href="#">Drawing polygons with coordinates</a>	6.G.A.3
<a href="#">Drawing polygons with coordinates 2</a>	6.G.A.3
<a href="#">Nets of 3D figures</a>	6.G.A.4
<a href="#">Quadrilateral problems on the coordinate plane</a>	6.G.A.3
<a href="#">Reflecting points on the coordinate plane</a>	6.NS.C.8
<a href="#">Distance between points on the coordinate plane</a>	6.NS.C.8

## Measurement and Data

### Geometric Measurement and Problem Solving

#### Standards Alignment

#### RIT Range: < 160

<a href="#">Comparing size</a>	K.MD.A.2
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#### RIT Range: 161-178

<a href="#">Measuring lengths 1</a>	1.MD.A.2
<a href="#">Order by length</a>	1.MD.A.1

#### RIT Range: 179-191

<a href="#">Adding and subtracting on the number line word problems</a>	2.MD.B.6
<a href="#">Comparing lengths</a>	2.MD.A.4
<a href="#">Counting money (U.S.)</a>	2.MD.C.8
<a href="#">Estimating lengths</a>	2.MD.A.3

## Measurement and Data

### Geometric Measurement and Problem Solving

### Standards Alignment

#### RIT Range: 179-191

<a href="#">Length word problems</a>	2.MD.B.5
<a href="#">Measuring lengths 2</a>	2.MD.A.1
<a href="#">Measuring lengths with different units</a>	2.MD.A.2
<a href="#">Telling time without labels</a>	2.MD.C.7
<a href="#">Telling time with a labeled clock</a>	2.MD.C.7

#### RIT Range: 192-202

<a href="#">Find area by counting unit squares</a>	3.MD.C.6
<a href="#">Area and the distributive property</a>	3.MD.C.7
<a href="#">Area of rectangles</a>	3.MD.C.7
<a href="#">Comparing area and perimeter</a>	3.MD.D.8
<a href="#">Comparing areas by multiplying</a>	3.MD.C.7
<a href="#">Decompose figures to find area 1</a>	3.MD.C.7
<a href="#">Decompose figures to find area 2</a>	3.MD.C.7
<a href="#">Estimating mass</a>	3.MD.A.2
<a href="#">Estimating volume</a>	3.MD.A.2
<a href="#">Find a missing side length when given area of a rectangle</a>	3.MD.C.7
<a href="#">Find a missing side length when given perimeter</a>	3.MD.D.8
<a href="#">Create rectangles with a given area</a>	3.MD.C.6
<a href="#">Transition from counting unit squares to area formula</a>	3.MD.C.7
<a href="#">Arithmetic word problems with mass</a>	3.MD.A.2
<a href="#">Measure to find area</a>	3.MD.C.7
<a href="#">Measure to find perimeter</a>	3.MD.D.8
<a href="#">Measuring area with unit squares</a>	3.MD.C.6
<a href="#">Find perimeter by counting unit squares</a>	3.MD.D.8
<a href="#">Finding perimeter</a>	3.MD.D.8
<a href="#">Find perimeter when given side lengths</a>	3.MD.D.8
<a href="#">Perimeter word problems</a>	3.MD.D.8
<a href="#">Telling time to the nearest minute</a>	3.MD.A.1

## Measurement and Data

### Geometric Measurement and Problem Solving

### Standards Alignment

#### RIT Range: 192-202

<a href="#">Telling time word problems</a>	3.MD.A.1
<a href="#">Telling time word problems with the number line</a>	3.MD.A.1
<a href="#">Time differences</a>	3.MD.A.1
<a href="#">Understanding area</a>	3.MD.C.5
<a href="#">Arithmetic word problems with volume</a>	3.MD.A.2

#### RIT Range: 203-212

<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="#">Decomposing angles</a>	4.MD.C.7
<a href="#">Drawing angles</a>	4.MD.C.6
<a href="#">Converting larger units to smaller units</a>	4.MD.A.1
<a href="#">Measuring angles</a>	4.MD.C.6
<a href="#">Converting money word problems</a>	4.MD.A.2
<a href="#">Time word problems</a>	4.MD.A.2
<a href="#">Naming angles</a>	4.MD.C.5
<a href="#">Unit sense</a>	4.MD.A.1

#### RIT Range: 213-219

<a href="#">Converting units word problems (metric)</a>	5.MD.A.1
<a href="#">Converting units (metrics)</a>	5.MD.A.1
<a href="#">Converting units (US customary)</a>	5.MD.A.1
<a href="#">Converting units word problems (US customary)</a>	5.MD.A.1
<a href="#">Decompose figures to find volume</a>	5.MD.C.5
<a href="#">Volume 1</a>	5.MD.C.5
<a href="#">Volume word problems</a>	5.MD.C.5
<a href="#">Volume with unit cubes 1</a>	5.MD.C.3   5.MD.C.4   5.MD.C.5
<a href="#">Volume formula intuition</a>	5.MD.C.5
<a href="#">Comparing volumes with unit cubes</a>	5.MD.C.4   5.MD.C.5

## Measurement and Data

### Geometric Measurement and Problem Solving

#### Standards Alignment

#### RIT Range: 220-223

<a href="#">Area of parallelograms</a>	6.G.A.1
<a href="#">Area of triangles</a>	6.G.A.1
<a href="#">Area of composite figures</a>	6.G.A.1
<a href="#">Areas of shapes on grids</a>	6.G.A.1
<a href="#">Area of trapezoids</a>	6.G.A.1
<a href="#">Area challenge</a>	6.G.A.1
<a href="#">Surface area using nets</a>	6.G.A.4
<a href="#">Surface area</a>	6.G.A.4
<a href="#">Units</a>	6.RP.A.3
<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 and decimals</a>	6.G.A.2

#### RIT Range: 224-227

<a href="#">Constructing scale drawings</a>	7.G.A.1
<a href="#">Shaded areas</a>	7.G.B.6

## Measurement and Data

### Represent and Interpret Data

#### Standards Alignment

#### RIT Range: < 160

<a href="#">Sort by count or category</a>	K.MD.B.3
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#### RIT Range: 161-178

<a href="#">Solving problems with bar graphs 1</a>	1.MD.C.4
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#### RIT Range: 179-191

<a href="#">Making line plots, bar graphs, and picture graphs</a>	2.MD.D.9
<a href="#">Solving problems with bar graphs 2</a>	2.MD.D.10
<a href="#">Solving problems with line plots 1</a>	2.MD.D.9
<a href="#">Solving problems with picture graphs 1</a>	2.MD.D.10



## Measurement and Data

### Represent and Interpret Data

### Standards Alignment

#### RIT Range: 192-202

<a href="#">Creating bar charts</a>	3.MD.B.3
<a href="#">Marking data on line plots</a>	3.MD.B.4
<a href="#">Creating picture graphs</a>	3.MD.B.3
<a href="#">Reading bar charts 1</a>	3.MD.B.3
<a href="#">Reading bar graphs 2</a>	3.MD.B.3
<a href="#">Reading pictographs 1</a>	3.MD.B.3
<a href="#">Reading picture graphs 2</a>	3.MD.B.3
<a href="#">Reading bar graphs 1</a>	3.MD.B.3
<a href="#">Reading picture graphs 1</a>	3.MD.B.3

#### RIT Range: 203-212

<a href="#">Interpreting dot plots with fraction addition and subtraction</a>	4.MD.B.4
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#### RIT Range: 213-219

<a href="#">Interpreting dot plots with fraction operations</a>	5.MD.B.2
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#### RIT Range: 220-223

<a href="#">Reading box plots</a>	6.SP.B.4
<a href="#">Reading dot plots and frequency tables</a>	6.SP.B.4
<a href="#">Creating box plots 2</a>	6.SP.B.4
<a href="#">Comparing data displays</a>	6.SP.B.4
<a href="#">Creating box plots 1</a>	6.SP.B.4
<a href="#">Creating dot plots</a>	6.SP.B.4
<a href="#">Interpreting quartiles</a>	6.SP.B.4
<a href="#">Reading bar charts 3</a>	6.SP.B.5
<a href="#">Reading histograms</a>	6.SP.B.4

## Number and Operations

### Number and Operations - Fractions

### Standards Alignment

#### RIT Range: 192-202

<a href="#">Comparing fractions with the same numerator or denominator</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="#">Visually comparing fractions 1</a>	3.NF.A.3
<a href="#">Identifying unit fractions</a>	3.NF.A.1
<a href="#">Equivalent fractions on the number line</a>	3.NF.A.3
<a href="#">Equivalent fraction models</a>	3.NF.A.3
<a href="#">Finding 1 on the number line</a>	3.NF.A.2
<a href="#">Fractions on the number line</a>	3.NF.A.2
<a href="#">Unit fractions on the number line</a>	3.NF.A.2
<a href="#">Recognizing fractions 2</a>	3.NF.A.1
<a href="#">Identifying numerators and denominators</a>	3.NF.A.1
<a href="#">Recognizing fractions 1</a>	3.NF.A.1
<a href="#">Cutting shapes into equal parts</a>	3.NF.A.1

#### RIT Range: 203-212

<a href="#">Adding fractions with 10 and 100 as denominators</a>	4.NF.C.5
<a href="#">Comparing decimals and fractions</a>	4.NF.C.7
<a href="#">Common denominators</a>	4.NF.A.2
<a href="#">Comparing decimals (tenths and hundredths)</a>	4.NF.C.7
<a href="#">Comparing fractions with different numerators and denominators</a>	4.NF.A.2
<a href="#">Comparing fractions and mixed numbers</a>	4.NF.A.2
<a href="#">Comparing decimals visually</a>	4.NF.C.7
<a href="#">Rewriting decimals as fractions</a>	4.NF.C.6
<a href="#">Rewriting fractions as decimals</a>	4.NF.C.6
<a href="#">Decimal intuition with grids</a>	4.NF.C.6
<a href="#">Decimals on the number line 1</a>	4.NF.C.6
<a href="#">Decimals on the number line 2</a>	4.NF.C.6
<a href="#">Decimals in words</a>	4.NF.C.6

## Number and Operations

### Number and Operations - Fractions

### Standards Alignment

#### RIT Range: 203-212

<a href="#">Decompose fractions with denominators of 100</a>	4.NF.C.5
<a href="#">Equivalent fractions and different wholes</a>	4.NF.A.2
<a href="#">Equivalent fractions</a>	4.NF.A.1
<a href="#">Equivalent fractions with denominators of 10 and 100</a>	4.NF.C.5
<a href="#">Equivalent fractions with denominators of 10 and 100 intuition</a>	4.NF.C.5
<a href="#">Fraction-decimal intuition</a>	4.NF.C.6
<a href="#">Multiplying fractions and whole numbers intuition</a>	4.NF.B.4
<a href="#">Ordering fractions</a>	4.NF.A.2
<a href="#">Subtracting fractions with common denominators</a>	4.NF.B.3a
<a href="#">Multiplying Fractions and Whole Numbers: Equivalent Expressions</a>	4.NF.B.4
<a href="#">Equivalent fractions (with fraction models)</a>	4.NF.A.1
<a href="#">Visually comparing fractions with unlike denominators</a>	4.NF.A.2

#### RIT Range: 213-219

<a href="#">Adding fractions with unlike denominators</a>	5.NF.A.1
<a href="#">Adding and subtracting mixed numbers with unlike denominators 1</a>	5.NF.A.1
<a href="#">Adding and subtracting fractions challenge</a>	5.NF.A.1
<a href="#">Adding and subtracting fractions with unlike denominators word problems</a>	5.NF.A.2
<a href="#">Adding and subtracting mixed numbers with unlike denominators 2</a>	5.NF.A.1
<a href="#">Dividing whole numbers by unit fractions</a>	5.NF.B.7
<a href="#">Dividing unit fractions by whole numbers</a>	5.NF.B.7
<a href="#">Dividing unit fractions by whole numbers introduction</a>	5.NF.B.7
<a href="#">Dividing whole numbers by unit fractions introduction</a>	5.NF.B.7
<a href="#">Fraction multiplication as scaling</a>	5.NF.B.5b
<a href="#">Multiplying fractions by fractions word problems</a>	5.NF.B.6
<a href="#">Subtracting fractions with unlike denominators</a>	5.NF.A.1
<a href="#">Understanding fractions as division</a>	5.NF.B.3
<a href="#">Understanding fractions as division: word problems</a>	5.NF.B.3
<a href="#">Visually understanding multiplying fractions and whole numbers</a>	5.NF.B.4a

## Number and Operations

### Number and Operations - Fractions

#### Standards Alignment

#### RIT Range: 213-219

[Understanding multiplying fractions by fractions](#) 5.NF.B.4a

[Using visuals to add and subtract fractions with unlike denominators](#) 5.NF.A.1

#### RIT Range: 220-223

[Decimals on the number line 3](#) 6.NS.C.6c

[Dividing fractions](#) 6.NS.A.1

[Dividing fractions by fractions and whole numbers applications](#) 6.NS.A.1

[Dividing fractions word problems](#) 6.NS.A.1

[Negative numbers on the number line without reference to zero](#) 6.NS.C.6c

[Ordering negative numbers](#) 6.NS.C.7

[Understanding dividing fractions by fractions](#) 6.NS.A.1

#### RIT Range: 224-227

[Simplifying hairy fractions](#) 7.NS.A.3

[Integer addition and subtraction](#) 7.NS.A.1d

## Number and Operations

### Number and Operations in Base Ten

#### Standards Alignment

#### RIT Range: 161-178

[Adding 1s or 10s \(no regrouping\)](#) 1.NBT.C.4

[Adding 1 or 10](#) 1.NBT.C.4

[Adding two-digit numbers \(no regrouping\)](#) 1.NBT.C.4

[Breaking apart two-digit addition problems](#) 1.NBT.C.4

[Regrouping when adding one-digit numbers](#) 1.NBT.C.4

#### RIT Range: 179-191

[Adding and subtracting within 1000 using a number line](#) 2.NBT.B.7

[Addition within 100](#) 2.NBT.B.5

[Adding and subtracting using a number line](#) 2.NBT.B.7

[Adding 10s and 100s \(no regrouping\)](#) 2.NBT.B.7

## Number and Operations

### Number and Operations in Base Ten

### Standards Alignment

#### RIT Range: 179-191

<a href="#">Adding two- and three-digit numbers (no regrouping)</a>	2.NBT.B.7
<a href="#">Breaking apart three-digit addition problems</a>	2.NBT.B.7
<a href="#">Adding two-digit numbers by making tens</a>	2.NBT.B.5
<a href="#">Adding two-digit numbers by making tens 2</a>	2.NBT.B.5
<a href="#">Regrouping: two-digit number minus one-digit number</a>	2.NBT.A.4
<a href="#">Select strategies for adding within 100</a>	2.NBT.B.7
<a href="#">Subtracting 1s or 10s (no regrouping)</a>	2.NBT.B.5
<a href="#">Subtraction within 20</a>	2.NBT.B.5
<a href="#">Subtraction within 100</a>	2.NBT.B.5
<a href="#">Subtracting 10s and 100s (no regrouping)</a>	2.NBT.B.7
<a href="#">Subtracting two- and three-digit numbers (no regrouping)</a>	2.NBT.B.7
<a href="#">Subtracting 1 or 10</a>	2.NBT.B.5
<a href="#">Subtracting two-digit numbers (no regrouping)</a>	2.NBT.B.5

#### RIT Range: 192-202

<a href="#">Addition within 1000</a>	3.NBT.A.2   4.NBT.B.4
<a href="#">Addition using groups of 10 and 100</a>	3.NBT.A.2
<a href="#">Multiply by tens</a>	3.NBT.A.3
<a href="#">Multiply by tens word problems</a>	3.NBT.A.3
<a href="#">Rounding to the nearest 10 or 100 on the number line</a>	3.NBT.A.1
<a href="#">Subtraction within 1000</a>	3.NBT.A.2   4.NBT.B.4

#### RIT Range: 203-212

<a href="#">Addition within 1000</a>	3.NBT.A.2   4.NBT.B.4
<a href="#">Dividing by one-digit numbers (no remainders)</a>	4.NBT.B.6
<a href="#">Division with remainders</a>	4.NBT.B.6
<a href="#">Division using place value understanding</a>	4.NBT.B.6
<a href="#">Division with remainders introduction</a>	4.NBT.B.6
<a href="#">Dividing by one-digit numbers (visual models)</a>	4.NBT.B.6
<a href="#">Multiplication without regrouping</a>	4.NBT.B.5

## Number and Operations

### Number and Operations in Base Ten

### Standards Alignment

#### RIT Range: 203-212

<a href="#">Multiplication with carrying</a>	4.NBT.B.5
<a href="#">Multiplying 2-digit numbers</a>	4.NBT.B.5
<a href="#">Multiplication using place value understanding</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="#">Subtraction within 1000</a>	3.NBT.A.2   4.NBT.B.4

#### RIT Range: 213-219

<a href="#">Adding decimals 1</a>	5.NBT.B.7
<a href="#">Adding decimals 0.5</a>	5.NBT.B.7
<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="#">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="#">Subtracting decimals</a>	5.NBT.B.7
<a href="#">Subtracting decimals 0.5</a>	5.NBT.B.7

#### RIT Range: 220-223

<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="#">Multi-digit division</a>	6.NS.B.2
<a href="#">Multiplying decimals 3</a>	6.NS.B.3
<a href="#">Negative numbers on the number line</a>	6.NS.C.6c
<a href="#">Subtracting decimals 2</a>	6.NS.B.3

## Number and Operations

### Number and Operations in Base Ten

#### Standards Alignment

RIT Range: 224-227

<a href="#">Subtracting negative numbers intro</a>	7.NS.A.1
<a href="#">Adding negative numbers intro</a>	7.NS.A.1
<a href="#">Negative number addition and subtraction: word problems</a>	7.NS.A.1
<a href="#">Integer addition and subtraction: find the missing value</a>	7.NS.A.1
<a href="#">Integer addition and subtraction</a>	7.NS.A.1
<a href="#">Integer addition and subtraction with substitution</a>	7.NS.A.1
<a href="#">Integer addition and subtraction: equations and number lines</a>	7.NS.A.1
<a href="#">Negative number addition and subtraction: equivalent expressions</a>	7.NS.A.1
<a href="#">Integer addition and subtraction: number line interpretation</a>	7.NS.A.1
<a href="#">Understanding negative number addition and subtraction with variables</a>	7.NS.A.1

## Number and Operations

### Understand Place Value, Counting, and Cardinality

#### Standards Alignment

RIT Range: < 160

<a href="#">Comparing numbers of objects</a>	K.CC.C.6
<a href="#">Less and greater</a>	K.CC.C.7
<a href="#">Count from any number</a>	K.CC.A.2
<a href="#">Counting in scenes</a>	K.CC.B.4
<a href="#">Counting with small numbers</a>	K.CC.B.5
<a href="#">Count to 100</a>	K.CC.A.1
<a href="#">How many objects 1</a>	K.CC.B.5
<a href="#">How many objects 2</a>	K.CC.B.5
<a href="#">Teen numbers</a>	K.NBT.A.1

RIT Range: 161-178

<a href="#">Comparing two-digit numbers</a>	1.NBT.B.3
<a href="#">Comparing two-digit numbers 2</a>	1.NBT.B.3
<a href="#">Groups of ten objects</a>	1.NBT.B.2
<a href="#">Numbers to 120</a>	1.NBT.A.1

## Number and Operations

### Understand Place Value, Counting, and Cardinality

### Standards Alignment

#### RIT Range: 161-178

[Two-digit place value challenge](#)

1.NBT.B.2

#### RIT Range: 179-191

[Comparing three-digit numbers](#)

2.NBT.A.4

[Counting money \(U.S.\)](#)

2.NBT.A.2

[Hundreds, tens, and ones](#)

2.NBT.A.1

[Skip-counting by 100s](#)

2.NBT.A.2

[Skip-counting by 10s](#)

2.NBT.A.2

[Skip-counting by 5s](#)

2.NBT.A.2

[Three-digit place value challenge](#)

2.NBT.A.3

#### RIT Range: 192-202

[Rounding challenge](#)

3.NBT.A.1

[Rounding to the nearest 10 or 100](#)

3.NBT.A.1

#### RIT Range: 203-212

[Comparing multi-digit numbers](#)

4.NBT.A.2

[Comparing multi-digit numbers: Place value challenge](#)

4.NBT.A.2

[Creating largest or smallest number](#)

4.NBT.A.1

[Dividing whole numbers by 10](#)

4.NBT.A.1

[Multiplying and dividing by 10 challenge \(whole numbers\)](#)

4.NBT.A.1

[Multiplying whole numbers by 10](#)

4.NBT.A.1

[Numbers in expanded form](#)

4.NBT.A.2

[Numbers in written form](#)

4.NBT.A.2

[Place value introduction](#)

4.NBT.A.2

[Place value blocks](#)

4.NBT.A.1

[Rounding whole numbers](#)

4.NBT.A.3

[Understanding place value when multiplying and dividing by 10](#)

4.NBT.A.1

[Whole number place value challenge](#)

4.NBT.A.2



## Number and Operations

### Understand Place Value, Counting, and Cardinality

#### Standards Alignment

#### RIT Range: 213-219

<a href="#">Comparing decimal place value</a>	5.NBT.A.1
<a href="#">Decimal place value names</a>	5.NBT.A.3
<a href="#">Multiplying and dividing decimals by 10, 100, and 1000</a>	5.NBT.A.2
<a href="#">Multiplying and dividing whole numbers by 10, 100, and 1000</a>	5.NBT.A.2
<a href="#">Multiplying and dividing by powers of 10</a>	5.NBT.A.2
<a href="#">Multiplying and dividing decimals by 10</a>	5.NBT.A.2
<a href="#">Powers of ten</a>	5.NBT.A.2
<a href="#">Rounding decimals</a>	5.NBT.A.4
<a href="#">Rounding decimals 2</a>	5.NBT.A.4
<a href="#">Rounding decimals using a number line</a>	5.NBT.A.4
<a href="#">Money and decimal place value intuition</a>	5.NBT.A.1
<a href="#">Understanding moving the decimal</a>	5.NBT.A.2
<a href="#">Value of a decimal digit</a>	5.NBT.A.1

#### RIT Range: 220-223

<a href="#">Ordering negative numbers</a>	6.NS.C.7
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## Operations and Algebraic Thinking

### Analyze Patterns and Relationships

#### Standards Alignment

#### RIT Range: 192-202

<a href="#">Math patterns 1</a>	3.OA.D.9
<a href="#">Patterns in multiplication tables</a>	3.OA.D.9

#### RIT Range: 203-212

<a href="#">Composite numbers</a>	4.OA.B.4
<a href="#">Divisibility intuition</a>	4.OA.B.4
<a href="#">Factor pairs</a>	4.OA.B.4
<a href="#">Identifying factors and multiples</a>	4.OA.B.4
<a href="#">Math patterns 2</a>	4.OA.C.5
<a href="#">Prime numbers</a>	4.OA.B.4

## Operations and Algebraic Thinking

### Analyze Patterns and Relationships

#### Standards Alignment

RIT Range: 213-219

[Visualizing and interpreting relationships between patterns](#)

5.OA.B.3

## Operations and Algebraic Thinking

### Represent and Solve Problems

#### Standards Alignment

RIT Range: < 160

[Addition within five](#)

K.OA.A.5

[Addition word problems within 10](#)

K.OA.A.2

[Making five](#)

K.OA.A.4

[Making 10 \(using grids\)](#)

K.OA.A.4

[Making 10](#)

K.OA.A.4

[Making small numbers in different ways](#)

K.OA.A.3

[Put together](#)

K.OA.A.1

[Subtraction within five](#)

K.OA.A.5

[Subtraction word problems within 10](#)

K.OA.A.2

[Take apart](#)

K.OA.A.1

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 1](#)

1.OA.A.1

[Addition and subtraction word problems 2](#)

1.OA.A.1

[Word problems with "more" and "fewer" 1](#)

1.OA.A.1

[Word problems with "more" and "fewer" 2](#)

1.OA.A.1

[The equals sign](#)

1.OA.D.7

[Relate addition and subtraction](#)

1.OA.B.4

RIT Range: 179-191

[Addition and subtraction within 100 word problems 1](#)

2.OA.A.1

[Addition and subtraction within 100 word problems 2](#)

2.OA.A.1

## Operations and Algebraic Thinking

### Represent and Solve Problems

### Standards Alignment

#### RIT Range: 179-191

<a href="#">Word problems within 100 with "more" and "fewer" 1</a>	2.OA.A.1
<a href="#">Word problems within 100 with "more" and "fewer" 2</a>	2.OA.A.1
<a href="#">Comparing lengths</a>	2.OA.A.1
<a href="#">Find the missing number (addition and subtraction within 100)</a>	2.OA.A.1
<a href="#">Length word problems</a>	2.OA.A.1
<a href="#">Repeated addition</a>	2.OA.C.4
<a href="#">Solving problems with picture graphs 1</a>	2.OA.A.1

#### RIT Range: 192-202

<a href="#">Associative property of multiplication</a>	3.OA.B.5
<a href="#">Commutative property of multiplication</a>	3.OA.B.5
<a href="#">Dividing by 1</a>	3.OA.C.7
<a href="#">Dividing by 10</a>	3.OA.C.7
<a href="#">Dividing by 2</a>	3.OA.C.7
<a href="#">Dividing by 3</a>	3.OA.C.7
<a href="#">Dividing by 4</a>	3.OA.C.7
<a href="#">Dividing by 5</a>	3.OA.C.7
<a href="#">Dividing by 6</a>	3.OA.C.7
<a href="#">Dividing by 7</a>	3.OA.C.7
<a href="#">Dividing by 8</a>	3.OA.C.7
<a href="#">Dividing by 9</a>	3.OA.C.7
<a href="#">Dividing with visuals</a>	3.OA.A.2
<a href="#">Basic division</a>	3.OA.A.4
<a href="#">1-digit division</a>	3.OA.A.4
<a href="#">Letters and symbols in multiplication and division equations</a>	3.OA.B.6
<a href="#">Meaning of division</a>	3.OA.A.2
<a href="#">Meaning of multiplication</a>	3.OA.A.1
<a href="#">Multiplying 1-digit numbers</a>	3.OA.A.4
<a href="#">Multiplying by 0 or 1</a>	3.OA.C.7

## Operations and Algebraic Thinking

### Represent and Solve Problems

### Standards Alignment

#### RIT Range: 192-202

<a href="#">Multiplying by 2</a>	3.OA.C.7
<a href="#">Multiplying by 3</a>	3.OA.C.7
<a href="#">Multiplying by 4</a>	3.OA.C.7
<a href="#">Multiplying by 5</a>	3.OA.C.7
<a href="#">Multiplying by 6</a>	3.OA.C.7
<a href="#">Multiplying by 7</a>	3.OA.C.7
<a href="#">Multiplying by 8</a>	3.OA.C.7
<a href="#">Multiplying by 9</a>	3.OA.C.7
<a href="#">Multiplying with arrays</a>	3.OA.A.1
<a href="#">Whole numbers on the number line</a>	3.OA.C.7
<a href="#">Properties of multiplication</a>	3.OA.B.5
<a href="#">Relate division to multiplication</a>	3.OA.B.6
<a href="#">Relate division to multiplication word problems</a>	3.OA.B.6
<a href="#">Two-step word problems with addition, subtraction, multiplication, and division</a>	3.OA.D.8

#### RIT Range: 203-212

<a href="#">Multiplication and division word problems</a>	4.OA.A.2
<a href="#">Comparing with multiplication</a>	4.OA.A.1
<a href="#">Comparing with multiplication word problems</a>	4.OA.A.1
<a href="#">Multi-step word problems with whole numbers</a>	4.OA.A.3

#### RIT Range: 213-219

<a href="#">Creating expressions with parentheses</a>	5.OA.A.2
<a href="#">Evaluating expressions with parentheses</a>	5.OA.A.1
<a href="#">Translating expressions with parentheses</a>	5.OA.A.2

#### RIT Range: 220-223

<a href="#">Adding and subtracting decimals word problems</a>	6.NS.B.3
<a href="#">Combining like terms with distribution</a>	6.EE.A.3
<a href="#">Comparing rates</a>	6.RP.A.2   6.RP.A.3

## Operations and Algebraic Thinking

### Represent and Solve Problems

### Standards Alignment

#### RIT Range: 220-223

<a href="#">Writing one-step equations word problems</a>	6.EE.B.6   6.EE.B.7
<a href="#">Evaluating expressions with variables word problems</a>	6.EE.A.2c
<a href="#">Find the mistake in solving one-step equations</a>	6.EE.B.7
<a href="#">Writing inequalities to describe real-world situations</a>	6.EE.B.6   6.EE.B.8
<a href="#">One-step equations with multiplication and division</a>	6.EE.B.7
<a href="#">One-step equation intuition</a>	6.EE.B.7
<a href="#">One-step equations with addition and subtraction</a>	6.EE.B.7
<a href="#">One-step addition and subtraction equations with fractions and decimals</a>	6.EE.B.7
<a href="#">One-step multiplication and division equations with fractions and decimals</a>	6.EE.B.7
<a href="#">Exponents</a>	6.EE.A.1
<a href="#">Basic rate problems</a>	6.RP.A.2   6.RP.A.3
<a href="#">Ratio word problems</a>	6.RP.A.3
<a href="#">Ratio tables</a>	6.RP.A.3
<a href="#">Testing solutions of equations using substitution</a>	6.EE.B.5
<a href="#">Testing solutions of inequalities</a>	6.EE.B.8

#### RIT Range: 224-227

<a href="#">Proportion word problems</a>	7.RP.A.3
<a href="#">Two-step equations</a>	7.EE.B.4   HSA-REI.B.3
<a href="#">Linear equation word problems</a>	7.EE.B.4
<a href="#">Multi-step rational number word problems</a>	7.EE.B.3
<a href="#">Solving proportions</a>	7.RP.A.3
<a href="#">Rate problems with fractions</a>	7.RP.A.1
<a href="#">Two-step equations with decimals and fractions</a>	7.EE.B.4
<a href="#">Writing proportions</a>	7.RP.A.3

#### RIT Range: > 231

<a href="#">Two-step equations</a>	7.EE.B.4   HSA-REI.B.3
<a href="#">Multi-step linear inequalities</a>	HSA-REI.B.3