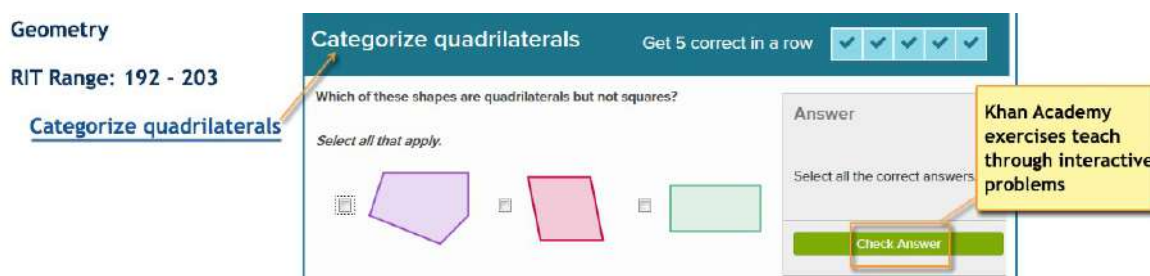


# MAP to Khan Academy:

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

### 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:



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.

## Terms of Use

These Terms of Use permit you to use this document for your personal, non-commercial use only. You must not reproduce, distribute, modify, create derivative works of, publicly display, publicly perform, republish, download, store or transmit any of the material on this document, except you may print or download one copy of a reasonable number of pages of this document for your own personal, non-commercial use and not for further reproduction, publication or distribution. You must not modify copies of this document. You must not delete or alter any copyright, trademark or other proprietary rights notices from this document. If you breach the Terms of Use your right to use the document will cease immediately and you must, at NWEA's option, return or destroy any copies of the document you have made. No right, title or interest in or to the document or any content on the document is transferred to you, and all rights not expressly granted are reserved by NWEA or their respective owner (see below). Any use of the document not expressly permitted by these Terms of Use is a breach of these Terms of Use and may violate copyright, trademark and other laws.

This document contains links to Khan Academy® sites, materials and/or resources ("Khan Materials"). NWEA's use of the Khan Materials is by license. Khan Academy® is the respective owner of the Khan Materials. NWEA's use of the Khan Materials in no way represents or suggests that Khan Academy® endorses NWEA. All Khan Academy content is available for free at [www.khanacademy.org](http://www.khanacademy.org).

The Khan Materials are provided for your convenience only. NWEA has no control over the contents of the Khan Materials and accepts no responsibility for them or for any loss or damage that may arise from your use of them. The information contained in this document, including the Khan Materials, are provided "as-is" and "as available" without any warranty of any kind, express or implied. NWEA does not warrant the accuracy, completeness or usefulness of the Khan Materials or any other information in this document and NWEA expressly disclaims all liability and responsibility arising from any reliance placed on the Khan Materials and/or any other information in this document. If you decide to access any of the Khan Materials, you do so entirely at your own risk and subject to the terms and conditions of use for the Khan Materials.

NWEA disclaims all warranties of any kind, whether express or implied, statutory or otherwise, including but not limited to any warranties of merchantability, non-infringement and fitness for particular purpose. In no event will NWEA be liable for damages of any kind, under any legal theory, arising out of or in connection with your use, or inability to use, this document and/or the information contained within it, including any direct, indirect, special, consequential, incidental or punitive damages. Any dispute or claim arising from or related to this document shall be governed and construed with the laws of the State of Oregon and any suit or action arising out of this document shall be instituted exclusively in the court of the State of Oregon and County of Multnomah.

The Khan Academy® is a registered trademark of Khan Academy. MAP® is a registered trademark of Northwest Evaluation Association. You must not use such marks without the prior written permission of their respective owners. NWEA may update the content on this document from time to time, but its content is not necessarily complete or up-to-date. Any of the material in this document may be out of date at any given time, and NWEA is under no obligation to update such material. However, in the event NWEA, in its sole discretion updates this document, your continued use of it following the posting of revised Terms of Use means that you accept and agree to the changes.

## **Geometry**

Reason with Shapes and Their Attributes

P 4

## **Measurement and Data**

Represent and Interpret Data

P 4

Solve Problems Involving Measurement

P 5

## **Number and Operations**

Number and Operations: Base Ten and Fractions

P 5

Understand Place Value, Counting, and Cardinality

P 7

## **Operations and Algebraic Thinking**

Properties of Operations

P 8

Represent and Solve Problems

P 9

## Geometry

### Reason with Shapes and Their Attributes

#### Standards Alignment

#### RIT Range: < 160

[Compare shapes](#)

K.G.B.4

[Naming shapes](#)

K.G.A.1 | K.G.A.2

#### RIT Range: 161 - 178

[Attributes of shapes](#)

1.G.A.1

[Halves and fourths](#)

1.G.A.3

#### RIT Range: 179 - 191

[Equal parts of circles and rectangles](#)

2.G.A.3

[Filling rectangles with same-sized squares](#)

2.G.A.2

[Recognizing shapes](#)

2.G.A.1

#### RIT Range: 192 - 203

[Categorize quadrilaterals](#)

3.G.A.1

[Cutting shapes into equal parts](#)

3.G.A.2

## Measurement and Data

### Represent and Interpret 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

#### RIT Range: 192 - 203

[Creating line plots 2](#)

3.MD.B.4

[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

## Measurement and Data

### Solve Problems Involving Measurement

### Standards Alignment

#### RIT Range: 161 - 178

[Measuring lengths 1](#)

1.MD.A.2

#### RIT Range: 179 - 191

[Adding and subtracting on the number line word problems](#)

2.MD.B.6

[Comparing lengths](#)

2.MD.A.4

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

2.MD.C.8

[Length word problems](#)

2.MD.B.5

[Measuring lengths 2](#)

2.MD.A.1

[Measuring lengths with different units](#)

2.MD.A.2

[Telling time without labels](#)

2.MD.C.7

[Telling time with a labeled clock](#)

2.MD.C.7

#### RIT Range: 192 - 203

[Area 1](#)

3.MD.C.5 | 3.MD.C.5a | 3.MD.C.5b | 3.MD.C.6

[Area and the distributive property](#)

3.MD.C.7 | 3.MD.C.7c

[Comparing area and perimeter](#)

3.MD.D.8

[Comparing areas by multiplying](#)

3.MD.C.7 | 3.MD.C.7b

[Decompose shapes to find area](#)

3.MD.C.7 | 3.MD.C.7d

[Finding area by multiplying](#)

3.MD.C.7 | 3.MD.C.7a

[Mass word problems](#)

3.MD.A.2

[Measuring area with unit squares](#)

3.MD.C.5 | 3.MD.C.5a | 3.MD.C.5b | 3.MD.C.6

[Perimeter 1](#)

3.MD.D.8

[Finding perimeter](#)

3.MD.D.8

[Telling time word problems](#)

3.MD.A.1

[Volume word problems 1](#)

3.MD.A.2

## Number and Operations

### Number and Operations: Base Ten and Fractions

### Standards Alignment

#### RIT Range: < 160

<a href="#">Addition within 5</a>	K.OA.A.5   K.OA.A.5
<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="#">Put together</a>	K.OA.A.1
<a href="#">Subtraction within 5</a>	K.OA.A.5
<a href="#">Take apart</a>	K.OA.A.1

#### RIT Range: 161 - 178

<a href="#">Addition within 20</a>	1.OA.C.6
<a href="#">Addition and subtraction within 10</a>	1.OA.D.8
<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="#">Subtract tens</a>	1.NBT.C.6

#### RIT Range: 179 - 191

<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="#">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
<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="#">Equivalent fraction models</a>	3.NF.A.3   3.NF.A.3a   3.NF.A.3b
<a href="#">Finding 1 on the number line</a>	3.NF.A.2   3.NF.A.2a   3.NF.A.2b   3.NF.A.3c

## Number and Operations

### Number and Operations: Base Ten and Fractions

#### Standards Alignment

RIT Range: 192 - 203

<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.2a   3.NF.A.2b
<a href="#">Fractions greater than one</a>	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="#">Multiply by tens</a>	3.NBT.A.3
<a href="#">Multiply by tens word problems</a>	3.NBT.A.3
<a href="#">Naming the whole</a>	3.NF.A.3d
<a href="#">Identifying numerators and denominators</a>	3.NF.A.1
<a href="#">Recognizing fractions</a>	3.NF.A.1
<a href="#">Rounding to the nearest ten or hundred</a>	3.NBT.A.1
<a href="#">Subtraction within 100</a>	3.NBT.A.2
<a href="#">Subtraction within 1000</a>	3.NBT.A.2

## Number and Operations

### Understand Place Value, Counting, and Cardinality

#### Standards Alignment

RIT Range: < 160

<a href="#">Compare groups through 10</a>	K.CC.C.6
<a href="#">Comparing numbers through 10</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 objects</a>	K.CC.B.4a
<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="#">One more, one less</a>	K.CC.B.4c
<a href="#">Teen numbers 1</a>	K.NBT.A.1

## Number and Operations

### Understand Place Value, Counting, and Cardinality

#### Standards Alignment

#### RIT Range: 161 - 178

[Comparing two-digit numbers 1](#)

1.NBT.B.3

[Groups of tens](#)

1.NBT.B.2 | 1.NBT.B.2c

[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

#### RIT Range: 179 - 191

[Comparing whole numbers](#)

2.NBT.A.4

[Comparing numbers within 1000](#)

2.NBT.A.4

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

2.NBT.A.2

[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

## Operations and Algebraic Thinking

### Properties of Operations

#### Standards Alignment

#### RIT Range: 161 - 178

[Addition within 20](#)

1.OA.C.6

[Addition and subtraction within 10](#)

1.OA.D.8

[Meaning of equal sign 1](#)

1.OA.D.7

#### RIT Range: 179 - 191

[Repeated addition](#)

2.OA.C.4

#### RIT Range: 192 - 203

[Meaning of division](#)

3.OA.A.2

[Number line 1](#)

3.OA.C.7

[Properties of multiplication 1](#)

3.OA.B.5



## Operations and Algebraic Thinking

### Properties of Operations

#### Standards Alignment

RIT Range: 192 - 203

[Properties of multiplication 2](#)

3.OA.B.5

[Relate division to multiplication](#)

3.OA.B.6

## Operations and Algebraic Thinking

### Represent and Solve Problems

#### Standards Alignment

RIT Range: < 160

[Addition word problems within 10](#)

K.OA.A.2

[Subtraction word problems within 10](#)

K.OA.A.2

RIT Range: 161 - 178

[Adding three numbers](#)

1.OA.A.2

[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

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

[Comparing lengths](#)

2.OA.A.1

[Length word problems](#)

2.OA.A.1

[Repeated addition](#)

2.OA.C.4

[Solving problems with picture graphs 1](#)

2.OA.A.1

RIT Range: 192 - 203

[Basic division](#)

3.OA.A.4

[1-digit division](#)

3.OA.A.4

[Meaning of division](#)

3.OA.A.2

## Operations and Algebraic Thinking

### Represent and Solve Problems

### Standards Alignment

RIT Range: 192 - 203

[Meaning of multiplication](#)

3.OA.A.1 | 3.OA.A.1

[Multiplying 1-digit numbers](#)

3.OA.A.4

[Math patterns 1](#)

3.OA.D.9

[Solving basic multiplication and division equations](#)

3.OA.A.4

[Two-step word problems with addition, subtraction, multiplication, and division](#)

3.OA.D.8