

## Welcome, Educators!

As you plan for this year, we hope that *Math in Focus*<sup>®</sup> and the Singapore Math<sup>®</sup> approach will provide effective strategies for focusing and differentiating instruction. The framework below is designed to help you focus your planning.

### Using the Essential Content Framework

To move forward this fall, we recommend beginning with the content from the current grade. Review this framework against your school's and state's specific goals, and in collaboration with administrators and your colleagues across grades, to determine where you want to add new content or prior-year review.

As you reach the priority topics shown below, as well as the topics that address your specific priorities, you may want to reinforce prerequisite knowledge. The Prior Learning column (Grades 1 and up) suggests where you can find support from the grade before. If the third column is empty, it means that students learned the prerequisites earlier this grade, or several grades in the past.

When you reach content that is *not* listed as priority content, you can take several paths to give students a targeted grounding:

- Combine some content from that section into a related priority section.
- Teach a mini-lesson on that topic, with the Learn activities and practice, possibly using learning stations.
- Use these topics to extend concepts within a related section.

### Evaluating Readiness

We recommend using the Recall Prior Knowledge and Quick Check to get a sense of students' readiness for each chapter and to identify areas to dig into more deeply as you move through grade-level content. You can also administer chapter Pre-Tests; we recommend emphasizing the diagnostic and formative nature of these to provide the most supportive learning environment.

### From Engagement to Mastery

Students should start with engaging, hands-on learning experiences to the greatest possible extent. Using the Concrete-Pictorial-Abstract (CPA) approach, you may want students to use physical math manipulatives throughout the lessons and as a strategic resource to solve non-routine problems. The goal is for students to grow as problem solvers and as mathematicians.

We look forward to supporting you on this worthwhile journey.

**The Math in Focus<sup>®</sup> Team**

## Math in Focus © 2012 Grade K

Priority standards were identified through Achieve the Core.\*

Standards in *italics* were further selected by International Center for Leadership in Education.\*\*

Grade K Section	Priority Standards	Prior Learning
<b>Chapter 1 Numbers to 5</b>		
1.1 <i>All About 1 and 2</i>	<i>K.CC.A Know number names and the count sequence.**</i> <i>K.CC.B Count to tell the number of objects.</i>	
1.2 <i>Finding Matches</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
1.3 <i>Not the Same but Different: All About 3</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
1.4 <i>Why Is This Different? All About 4</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.MD.A Describe and compare measurable attributes.+</i>	
1.5 <i>All About 5</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
1.6 <i>Spotting Small Differences</i>	<i>K.CC.A Know number names and the count sequence.</i>	
<b>Chapter 2 Numbers to 10</b>		
2.1 <i>All About 6</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
2.2 <i>All About 7</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
2.3 <i>All About 8</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
2.4 <i>Numbers 0 to 9</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.CC.C Compare numbers.*</i>	
2.5 <i>Pairing Sets with Numbers</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.CC.C Compare numbers.</i>	
2.6 <i>Pairing One-to-One</i>	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.CC.C Compare numbers.</i>	

Grade K Section	Priority Standards	Prior Learning
<b>Chapter 3 Order by Size, Length, or Weight</b>		
3.1 Ordering Things by Size	<i>K.MD.A Describe and compare measurable attributes.+ K.MD.B Classify objects and count the number of objects in categories.+</i>	
3.2 Comparing Sizes	<i>K.MD.A Describe and compare measurable attributes.+</i>	
3.3 Ordering Things by Length	<i>K.MD.A Describe and compare measurable attributes.+</i>	
3.4 Ordering Things by Weight	<i>K.MD.A Describe and compare measurable attributes.+</i>	
<b>Chapter 4 Decimals</b>		
4.1 Composing and Decomposing 5	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
4.2 Counting and Ordering Up to 10	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
4.3 Using Your Fingers and Toes to Count On	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects.</i>	
4.4 Same Number and More	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects.</i>	
4.5 Fewer Than	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects.</i>	
4.6 How Many in All?	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects.</i>	
<b>Chapter 5 Size and Position</b>		
5.1 Big and Small Things	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. K.MD.A Describe and compare measurable attributes.+</i>	

Grade K Section	Priority Standards	Prior Learning
	<i>K.MD.B Classify objects and count the number of objects in categories.+</i>	
5.2 Does it Fit?	<i>K.MD.A Describe and compare measurable attributes.+</i> <i>K.MD.B Classify objects and count the number of objects in categories.+</i>	
5.3 Positions	<i>K.G.A.1 Identify and describe shapes.+</i>	
5.4 Before and After	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 6 Numbers 0 to 20</b>		
6.1 All About 10	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
6.2 Numbers 10 to 12	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
6.3 Numbers 13 to 16	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
6.4 Numbers 17 to 20	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
6.5 Compare and Order	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.CC.C Compare numbers.</i>	
<b>Chapter 7 Solid and Flat Shapes</b>		
7.1 Solid Shapes	<i>K.G.B Analyze, compare, create, and compose shapes.+</i>	
7.2 Flat Shapes in Solid Shapes	Not identified as a Priority Standard. See teaching suggestions above.	
7.3 Flat Shapes	<i>K.G.B Analyze, compare, create, and compose shapes.+</i>	
7.4 Flat Shape Pictures	<i>K.G.B Analyze, compare, create, and compose shapes.+</i>	
7.5 Shape Patterns	<i>K.G.B Analyze, compare, create, and compose shapes.+</i>	
<b>Chapter 8 Numbers to 100</b>		
8.1 Counting by 2s	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	

Grade K Section	Priority Standards	Prior Learning
8.2 Counting by 5s	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
8.3 Counting by 10s to 100	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
8.4 Numbers 20 to 49	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
8.5 Numbers 50 to 79	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
8.6 Numbers 80 to 100	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
8.7 Numbers 1 to 100	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i>	
<b>Chapter 9 Comparing Sets</b>		
9.1 Counting Sets of Up to 10	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.CC.C Compare numbers.</i>	
9.2 Comparing Sets of 11 to 20	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects</i>	
9.3 Comparing Sets to Find the Difference	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.C Compare numbers.</i>	
9.4 Combining Sets	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
<b>Chapter 10 Ordinal Numbers</b>		
10.1 Sequencing Events	Not identified as a priority standard. See teaching suggestions noted in the letter.	
10.2 Physical Position	Not identified as a priority standard. See teaching suggestions noted in the letter.	
10.3 Showing Your Preferences	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 11 Calendar Patterns</b>		
11.1 Days of the Week	<i>K.MD.A Describe and compare measurable attributes.+</i>	

Grade K Section	Priority Standards	Prior Learning
11.2 Months of the Year	<i>K.MD.A Describe and compare measurable attributes.+ K.MD.B Classify objects and count the number of objects in categories.+</i>	
<b>Chapter 12 Counting On and Counting Back</b>		
12.1 Counting On to 10	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
12.2 Counting Back Using Fingers	<i>K.CC.B Count to tell the number of objects. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
12.3 Finding Differences Using Fingers	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects. K.CC.C Compare numbers. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
<b>Chapter 13 Patterns</b>		
13.1 Repeating Patterns	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 14 Number Facts</b>		
14.1 Number Facts to 10	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects. K.CC.C Compare numbers. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
14.2 Combining Sets	<i>K.CC.A Know number names and the count sequence. K.CC.B Count to tell the number of objects. K.CC.C Compare numbers. K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
14.3 Composing and Decomposing Numbers to 20	<i>K.NBT.A Work with numbers 11–19 to gain foundations for place value.+</i>	

Grade K Section	Priority Standards	Prior Learning
14.4 Counting On	<p><i>K.CC.A Know number names and the count sequence.</i></p> <p><i>K.CC.B Count to tell the number of objects.</i></p> <p><i>K.CC.C Compare numbers.</i></p> <p><i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i></p> <p><i>K.NBT.A Work with numbers 11–19 to gain foundations for place value.+</i></p>	
<b>Chapter 15 Length and Height</b>		
15.1 Comparing Lengths	<p><i>K.NBT.A Work with numbers 11–19 to gain foundations for place value.+</i></p>	
15.2 Comparing Lengths Using Nonstandard Units	<p><i>K.CC.A Know number names and the count sequence.</i></p> <p><i>K.CC.B Count to tell the number of objects.</i></p> <p><i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i></p> <p><i>K.MD.A Describe and compare measurable attributes.+</i></p>	
15.3 Comparing Heights Using Nonstandard Units	<p><i>K.CC.A Know number names and the count sequence.</i></p> <p><i>K.CC.B Count to tell the number of objects.</i></p> <p><i>K.MD.A Describe and compare measurable attributes.+</i></p>	
<b>Chapter 16 Classifying and Sorting</b>		
16.1 Classifying Things by One Attribute	<p><i>K.MD.A Describe and compare measurable attributes.+</i></p>	
16.2 Classifying and Sorting Things by Two Attributes	<p><i>K.MD.A Describe and compare measurable attributes.+</i></p> <p><i>K.MD.B Classify objects and count the number of objects in categories.+</i></p>	
<b>Chapter 17 Addition Stories</b>		
17.1 Writing Addition Sentences and Representing Addition Stories	<p><i>K.CC.A Know number names and the count sequence.</i></p> <p><i>K.CC.B Count to tell the number of objects.</i></p> <p><i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i></p>	
17.2 Addition Facts to 5	<p><i>K.CC.A Know number names and the count sequence.</i></p> <p><i>K.CC.B Count to tell the number of objects.</i></p> <p><i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i></p>	

Grade K Section	Priority Standards	Prior Learning
<b>Chapter 18 Subtraction Stories</b>		
18.1 Writing Subtraction Sentences and Representing Subtraction Stories	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
18.2 Comparing Sets	<i>K.CC.A Know number names and the count sequence.</i> <i>K.CC.B Count to tell the number of objects.</i> <i>K.CC.C Compare numbers.</i> <i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
18.3 Subtraction Facts to 5	<i>K.CC.A Know number names and the count sequence.</i> <i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	
<b>Chapter 19 Measurement</b>		
19.1 Comparing Weights Using Nonstandard Units	<i>K.CC.A Know number names and the count sequence.</i> <i>K.MD.A Describe and compare measurable attributes.+</i>	
19.2 Comparing Capacities	<i>K.MD.A Describe and compare measurable attributes.+</i>	
19.3 Comparing Events in Time	<i>K.MD.A Describe and compare measurable attributes.+</i>	
<b>Chapter 20 Money</b>		
20.1 Coin Values	Not identified as a priority standard. See teaching suggestions noted in the letter.	
20.2 Counting Coins	<i>K.CC.A Know number names and the count sequence.</i> <i>K.OA.A Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</i>	

\* Priority standards clusters were identified as Priority Instructional Content through Achieve the Core by Student Achievement Partners, Pre-Publication Draft, May 2020. Full documents are available at [AchieveTheCore.org](http://AchieveTheCore.org).

\*\*International Center for Leadership in Education (ICLE) selected further priority standards, in most cases within the clusters called out by Achieve the Core.

+ This standard selected by ICLE is not within an Achieve the Core cluster.



## Math in Focus © 2013 Grade 1

Priority standards were identified through Achieve the Core.\*

Standards in *italics* were further selected by International Center for Leadership in Education.\*\*

Grade 1 Section	Priority Standards	Prior Learning
<b>Chapter 1 Numbers to 10</b>		
1.1 Counting to 10	Not identified as a priority standard. See teaching suggestions noted in the letter.	
1.2 Comparing Numbers	Not identified as a priority standard. See teaching suggestions noted in the letter.	
1.3 Making Number Patterns	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 2 Number Bonds</b>		
2.1 Making Number Bonds	1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction.*	Grade K Section 14.1 Grade K Section 14.2
<b>Chapter 3 Addition Facts to 10</b>		
3.1 Ways to Add	1.OA.A Represent and solve problems involving addition and subtraction 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.C Add and subtract within 20.**</i> <i>1.OA.D Work with addition and subtraction equations.</i>	<i>Grade K Section 12.1</i> <i>Grade K Section 14.1</i> <i>Grade K Section 14.2</i>
3.2 Making Addition Stories	<i>1.OA.C Add and subtract within 20.</i> 1.OA.D Work with addition and subtraction equations.	<i>Grade K Section 17.1</i> <i>Grade K Section 17.2</i>
3.3 Real-World Problems: Addition	1.OA.A Represent and solve problems involving addition and subtraction. <i>1.OA.C Add and subtract within 20.</i> <i>1.OA.D Work with addition and subtraction equations.</i>	<i>Grade K Section 17.1</i> <i>Grade K Section 17.2</i>
<b>Chapter 4 Subtraction Facts to 10</b>		
4.1 Ways to Subtract	1.OA.A Represent and solve problems involving addition and subtraction. 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.C Add and subtract within 20.</i> 1.OA.D Work with addition and subtraction equations.	<i>Grade K Section 12.2</i> <i>Grade K Section 12.3</i>

Grade 1 Section	Priority Standards	Prior Learning
4.2 Making Subtraction Stories	<p>1.NBT.C Use place value understanding and properties of operations to add and subtract.</p> <p>1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p>1.OA.C Add and subtract within 20.</p> <p>1.OA.D Work with addition and subtraction equations.</p>	Grade K Section 18.1
4.3 Real-World Problems: Subtraction	<p>1.OA.A Represent and solve problems involving addition and subtraction.</p> <p>1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p>1.OA.C Add and subtract within 20.</p> <p>1.OA.D Work with addition and subtraction equations.</p>	Grade K Section 18.1
4.4 Making Fact Families	<p>1.OA.A Represent and solve problems involving addition and subtraction.</p> <p>1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p>1.OA.C Add and subtract within 20.</p> <p>1.OA.D Work with addition and subtraction equations.</p>	Grade K Section 18.3
4.4.a True and False Number Sentences	1.OA.D Work with addition and subtraction equations.	
<b>Chapter 5 Shapes and Patterns</b>		
5.1 Exploring Plane Shapes	1.G.A Reason with shapes and their attributes.+	Grade K Section 7.2 Grade K Section 7.3
5.1.a Exploring Plane Shapes	Not identified as a priority standard. See teaching suggestions noted in the letter.	
5.2 Exploring Solid Shapes	Not identified as a priority standard. See teaching suggestions noted in the letter.	
5.3 Making Pictures and Models with Shapes	1.G.A Reason with shapes and their attributes.+	Grade K Section 7.4
5.4 Seeing Shapes Around Us	Not identified as a priority standard. See teaching suggestions noted in the letter.	
5.5 Making Patterns with Plane Shapes	Not identified as a priority standard. See teaching suggestions noted in the letter.	
5.6 Making Patterns with Solids Shapes	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 6 Ordinal Numbers and Position</b>		
6.1 Ordinal Numbers	Not identified as a priority standard. See teaching suggestions noted in the letter.	

Grade 1 Section	Priority Standards	Prior Learning
6.2 Position Words	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 7 Numbers to 20</b>		
7.1 Counting to 20	1.NBT.B Understand place value.	Grade K Section 6.1 Grade K Section 6.2 Grade K Section 6.3 Grade K Section 6.4
7.2 Place Value	1.NBT.B Understand place value.	
7.3 Comparing Numbers	1.NBT.B Understand place value.	Grade K Section 6.5 Grade K Section 9.2
7.4 Making Patterns and Ordering Numbers	1.NBT.B Understand place value.	
<b>Chapter 8 Addition and Subtraction Facts to 20</b>		
8.1 Ways to Add	1.NBT.C Use place value understanding and properties of operations to add and subtract. 1.OA.A Represent and solve problems involving addition and subtraction. 1.OA.C Add and subtract within 20 1.OA.D Work with addition and subtraction equations.	Grade K Section 14.4
8.2 Ways to Subtract	1.NBT.C Use place value understanding and properties of operations to add and subtract. 1.OA.A Represent and solve problems involving addition and subtraction. 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. 1.OA.C Add and subtract within 20. 1.OA.D Work with addition and subtraction equations.	Grade K Section 14.3
8.3 Real-World Problems: Addition and Subtraction Facts	1.NBT.C Use place value understanding and properties of operations to add and subtract. 1.OA.A Represent and solve problems involving addition and subtraction. 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. 1.OA.C Add and subtract within 20. 1.OA.D Work with addition and subtraction equations.	
<b>Chapter 9 Length</b>		
9.1 Comparing Two Things	Not identified as a priority standard. See teaching suggestions noted in the letter.	
9.2 Comparing More Than Two Things	1.MD.A Measure lengths indirectly and by iterating length units.	Grade K Section 15.1

Grade 1 Section	Priority Standards	Prior Learning
9.3 Using a Start Line	Not identified as a priority standard. See teaching suggestions noted in the letter.	
9.4 Measuring Things	1.MD.A Measure lengths indirectly and by iterating length units.	Grade K Section 15.2
9.5 Finding Length in Units	1.MD.A Measure lengths indirectly and by iterating length units.	Grade K Section 15.2
<b>Chapter 10 Weight</b>		
10.1 Comparing Things	Not identified as a priority standard. See teaching suggestions noted in the letter.	
10.2 Finding the Weight of Things	1.OA.D Work with addition and subtraction equations.	Grade K Section 19.1
10.3 Find Weight in Units	1.OA.D Work with addition and subtraction equations.	Grade K Section 19.1
<b>Chapter 11 Picture Graphs and Bar Graphs</b>		
11.1 Simple Picture Graphs	1.MD.C Represent and interpret data.+ 1.OA.D Work with addition and subtraction equations.	
11.2 More Picture Graphs	11.MD.C Represent and interpret data.+ 1.OA.D Work with addition and subtraction equations.	
11.3 Tally Chart and Bar Graphs	11.MD.C Represent and interpret data.+ 1.OA.D Work with addition and subtraction equations.	
<b>Chapter 12 Numbers to 40</b>		
12.1 Counting to 40	1.NBT.B Understand place value. 1.OA.D Work with addition and subtraction equations.	Grade K Section 8.4
12.2 Place Value	1.NBT.B Understand place value. 1.OA.D Work with addition and subtraction equations.	
12.3 Comparing, Ordering, and Patterns	1.NBT.B Understand place value. 1.OA.D Work with addition and subtraction equations.	
<b>Chapter 13 Addition and Subtraction to 40</b>		
13.1 Addition Without Regrouping	1.NBT.B Understand place value. 1.NBT.C Use place value understanding and properties of operations to add and subtract. 1.OA.D Work with addition and subtraction equations.	
13.2 Addition With Regrouping	1.NBT.B Understand place value. 1.NBT.C Use place value understanding and properties of operations to add and subtract. 1.OA.D Work with addition and subtraction equations.	

Grade 1 Section	Priority Standards	Prior Learning
13.3 Subtraction without Regrouping	1.NBT.B Understand place value. <i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i> 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.D Work with addition and subtraction equations.</i>	
13.4 Subtraction with Regrouping	1.NBT.B Understand place value. 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.D Work with addition and subtraction equations.</i>	
13.5 Adding Three Numbers	1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.C Add and subtract within 20.</i> <i>1.OA.D Work with addition and subtraction equations.</i>	
13.6 Real-World Problems: Addition and Subtraction	<i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i> <i>1.OA.A Represent and solve problems involving addition and subtraction.</i> 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.C Add and subtract within 20.</i> <i>1.OA.D Work with addition and subtraction equations.</i>	
<b>Chapter 14 Mental Math Strategies</b>		
14.1 Mental Addition	<i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i> 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.C Add and subtract within 20.</i> <i>1.OA.D Work with addition and subtraction equations.</i>	

Grade 1 Section	Priority Standards	Prior Learning
<i>14.2 Mental Subtraction</i>	<p><i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i></p> <p>1.OA.A Represent and solve problems involving addition and subtraction.</p> <p>1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p><i>1.OA.C Add and subtract within 20</i></p> <p><i>1.OA.D Work with addition and subtraction equations.</i></p>	
<b>Chapter 15 Calendar and Time</b>		
15.1 Using a Calendar	Not identified as a priority standard. See teaching suggestions noted in the letter.	
15.2 Telling Time to the Hour	Not identified as a priority standard. See teaching suggestions noted in the letter.	
15.2.a Telling Time to the Hour	Not identified as a priority standard. See teaching suggestions noted in the letter.	
15.3 Telling Time to the Half Hour	Not identified as a priority standard. See teaching suggestions noted in the letter.	
15.3.a Telling Time to the Half Hour	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 16 Numbers to 120</b>		
16.1 Counting to 100	1.NBT.B Understand place value.	Grade K Section 8.5 Grade K Section 8.6 Grade K Section 8.7
16.1.a Counting to 120	Not identified as a priority standard. See teaching suggestions noted in the letter.	
16.2 Place Value	1.NBT.B Understand place value.	
<i>16.3 Comparing, Ordering, and Patterns</i>	<i>1.NBT.B Understand place value.</i>	
<i>16.3.a Comparing, Ordering, and Patterns</i>	<i>1.NBT.B Understand place value.</i>	
<b>Chapter 17 Addition and Subtraction to 100</b>		
<i>17.1 Addition Without Regrouping</i>	<p>1.NBT.B Understand place value.</p> <p><i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i></p> <p><i>1.OA.D Work with addition and subtraction equations.</i></p>	
<i>17.2 Addition with Regrouping</i>	<p>1.NBT.B Understand place value.</p> <p><i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i></p> <p><i>1.OA.D Work with addition and subtraction equations.</i></p>	

Grade 1 Section	Priority Standards	Prior Learning
17.3 Subtraction Without Regrouping	1.NBT.B Understand place value. <i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i> 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.D Work with addition and subtraction equations.</i>	
17.4 Subtraction with Regrouping	1.NBT.B Understand place value. <i>1.NBT.C Use place value understanding and properties of operations to add and subtract.</i> 1.OA.B Understand and apply properties of operations and the relationship between addition and subtraction. <i>1.OA.D Work with addition and subtraction equations.</i>	
<b>Chapter 18 Multiplication and Division</b>		
18.1 Adding the Same Number	Not identified as a priority standard. See teaching suggestions noted in the letter.	
18.2 Sharing Equally	Not identified as a priority standard. See teaching suggestions noted in the letter.	
18.3 Finding the Number of Groups	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 19 Money</b>		
19.1 Penny, Nickel, and Dime	Not identified as a priority standard. See teaching suggestions noted in the letter.	
19.2 Quarter	Not identified as a priority standard. See teaching suggestions noted in the letter.	
19.3 Counting Money	Not identified as a priority standard. See teaching suggestions noted in the letter.	
19.4 Adding and Subtracting Money	1.OA.D Work with addition and subtraction equations.	Grade K Section 20.1 Grade K Section 20.2

\* Priority standards clusters were identified as Priority Instructional Content through Achieve the Core by Student Achievement Partners, Pre-Publication Draft, May 2020. Full documents are available at [AchieveTheCore.org](http://AchieveTheCore.org).

\*\*International Center for Leadership in Education (ICLE) selected further priority standards, in most cases within the clusters called out by Achieve the Core.

+ This standard selected by ICLE is not within an Achieve the Core cluster.

## Math in Focus © 2013 Grade 2

Priority standards were identified through Achieve the Core.\*

Standards in *italics* were further selected by International Center for Leadership in Education.\*\*

Grade 2 Section	Priority Standards	Prior Learning
<b>Chapter 1 Numbers to 1,000</b>		
1.1 Counting	Not identified as a priority standard. See teaching suggestions noted in the letter.	
1.2 Place Value	Not identified as a priority standard. See teaching suggestions noted in the letter.	
1.3 <i>Comparing Numbers</i>	2.NBT.A <i>Understand place value.+</i>	Grade 1 Section 1.2 Grade 1 Section 7.3 Grade 1 Section 12.3 Grade 1 Section 16.3
1.4 Order and Pattern	2.MD.B Relate addition and subtraction to length.*	Grade 1 Section 1.3 Grade 1 Section 7.4 Grade 1 Section 12.3 Grade 1 Section 16.3
<b>Chapter 2 Addition up to 1,000</b>		
2.1 <i>Addition Without Regrouping</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.**</i>	Grade 1 Section 13.1 Grade 1 Section 17.1
2.2 <i>Addition with Regrouping in Ones</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 13.2
2.3 <i>Addition with Regrouping in Tens</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 17.2
2.4 <i>Addition with Regrouping in Ones and Tens</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 17.2
<b>Chapter 3 Subtraction up to 1,000</b>		
3.1 <i>Subtraction Without Regrouping</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 13.3 Grade 1 Section 17.3
3.2 <i>Subtraction with Regrouping in Tens and Ones</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 13.4
3.3 <i>Subtraction with Regrouping in Hundreds and Tens</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 17.4
3.4 <i>Subtraction with Regrouping in Hundreds, Tens, and Ones</i>	2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 17.4
3.5 <i>Subtraction Across Zeros</i>	2.MD.B Relate addition and subtraction to length. 2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	
<b>Chapter 4 Using Bar Models: Addition and Subtraction</b>		
4.1 <i>Using Part-Part-Whole in Addition and Subtraction</i>	2.MD.B Relate addition and subtraction to length. 2.NBT.B <i>Use place value understanding and properties of operations to add and subtract.</i>	Grade 1 Section 3.1 Grade 1 Section 4.1



Grade 2 Section	Priority Standards	Prior Learning
	<i>2.OA.A Represent and solve problems involving addition and subtraction.</i>	
<i>4.2 Adding On and Taking Away Sets</i>	<i>2.MD.B Relate addition and subtraction to length. 2.NBT.B Use place value understanding and properties of operations to add and subtract. 2.OA.A Represent and solve problems involving addition and subtraction.</i>	<i>Grade 1 Section 14.1 Grade 1 Section 14.2</i>
<i>4.3 Comparing Two Sets</i>	<i>2.MD.B Relate addition and subtraction to length. 2.NBT.B Use place value understanding and properties of operations to add and subtract.</i>	
<i>4.4 Real-World Problems: Two-Step Problems</i>	<i>2.MD.B Relate addition and subtraction to length. 2.NBT.B Use place value understanding and properties of operations to add and subtract. 2.OA.A Represent and solve problems involving addition and subtraction.</i>	<i>Grade 1 Section 3.3 Grade 1 Section 4.3 Grade 1 Section 8.3 Grade 1 Section 13.6</i>
<b>Chapter 5 Multiplication and Division</b>		
5.1 How to Multiply	Not identified as a priority standard. See teaching suggestions noted in the letter.	
5.2 How to Divide	Not identified as a priority standard. See teaching suggestions noted in the letter.	
5.2.a Odd and Even Numbers	Not identified as a priority standard. See teaching suggestions noted in the letter.	
5.3 Real-World Problems: Multiplication and Division	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 6 Multiplication Tables of 2, 5, and 10</b>		
6.1 Multiplying by 2: Skip Counting	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<i>6.2 Multiplying by 2: Using Dot Paper</i>	<i>2.G.A Reason with shapes and their attributes.+ 2.OA.C Work with equal groups of objects to gain foundations for multiplication.+</i>	<i>Grade 1 Section 18.1 Grade 1 Section 18.3</i>
6.3 Multiplying 5: Skip Counting	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<i>6.4 Multiplying 5: Using Dot Paper</i>	<i>2.G.A Reason with shapes and their attributes.+ 2.OA.C Work with equal groups of objects to gain foundations for multiplication.+</i>	<i>Grade 1 Section 18.1 Grade 1 Section 18.3</i>
<i>6.5 Multiplying 10: Skip-Counting and Using Dot Paper</i>	<i>2.OA.C Work with equal groups of objects to gain foundations for multiplication.+</i>	<i>Grade 1 Section 18.1 Grade 1 Section 18.3</i>
6.6 Divide Using Related Multiplication Facts	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 7 Metric Measurement of Length</b>		
7.1 Measuring in Meters	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<i>7.2 Comparing Lengths in Meters</i>	<i>2.MD.A Measure and estimate lengths in standard units.+</i>	<i>Grade 1 Section 9.4 Grade 1 Section 9.5</i>

Grade 2 Section	Priority Standards	Prior Learning
7.3 Measuring in Centimeters	Not identified as a priority standard. See teaching suggestions noted in the letter.	
7.4 Comparing Lengths in Centimeters	2.MD.A Measure and estimate lengths in standard units.+	Grade 1 Section 9.4 Grade 1 Section 9.5
7.5 Real-World Problems: Metric Length	2.MD.B Relate addition and subtraction to length.	
<b>Chapter 8 Mass</b>		
8.1 Measuring in Kilograms	Not identified as a priority standard. See teaching suggestions noted in the letter.	
8.2 Comparing Masses in Kilograms	Not identified as a priority standard. See teaching suggestions noted in the letter.	
8.3 Measuring in Grams	Not identified as a priority standard. See teaching suggestions noted in the letter.	
8.4 Comparing Masses in Grams	Not identified as a priority standard. See teaching suggestions noted in the letter.	
8.5 Real-World Problems: Mass	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 9 Volume</b>		
9.1 Getting to Know Volume	Not identified as a priority standard. See teaching suggestions noted in the letter.	
9.2 Measuring in Liters	Not identified as a priority standard. See teaching suggestions noted in the letter.	
9.3 Real-World Problems: Volume	2.MD.B Relate addition and subtraction to length. 2.NBT.B Use place value understanding and properties of operations to add and subtract.	
<b>Chapter 10 Mental Math and Estimation</b>		
10.1 Meaning of Sum	2.NBT.B Use place value understanding and properties of operations to add and subtract. 2.OA.A Represent and solve problems involving addition and subtraction.	Grade 1 Section 14.1
10.2 Mental Addition	2.NBT.B Use place value understanding and properties of operations to add and subtract. 2.OA.B Add and subtract within 20.	Grade 1 Section 14.1
10.3 Meaning of Difference	2.NBT.B Use place value understanding and properties of operations to add and subtract. 2.OA.B Add and subtract within 20.	Grade 1 Section 14.2
10.4 Mental Subtraction	2.NBT.B Use place value understanding and properties of operations to add and subtract. 2.OA.B Add and subtract within 20.	Grade 1 Section 14.2
10.5 Rounding Numbers to Estimate	2.MD.B Relate addition and subtraction to length. 2.NBT.B Use place value understanding and properties of operations to add and subtract.	
<b>Chapter 11 Money</b>		
11.1 Coins and Bills	Not identified as a priority standard. See teaching suggestions noted in the letter.	

Grade 2 Section	Priority Standards	Prior Learning
11.2 Comparing Amounts of Money	Not identified as a priority standard. See teaching suggestions noted in the letter.	
11.3 Real-World Problems: Money	Not identified as a priority standard. See teaching suggestions noted in the letter.	
11.3.a Real-World Problems: Money	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 12 Fractions</b>		
12.1 Understanding Fractions	2.G.A Reason with shapes and their attributes.+	
12.2 Comparing Fractions	2.G.A Reason with shapes and their attributes.+	
12.3 Adding and Subtracting Like Fractions	2.G.A Reason with shapes and their attributes.+	
<b>Chapter 13 Customary Measurement of Length</b>		
13.1 Measuring in Feet	Not identified as a priority standard. See teaching suggestions noted in the letter.	
13.2 Comparing Lengths in Feet	2.MD.A Measure and estimate lengths in standard units.+	Grade 1 Section 9.1
13.3 Measuring in Inches	Not identified as a priority standard. See teaching suggestions noted in the letter.	
13.4 Comparing Lengths in Inches	2.MD.A Measure and estimate lengths in standard units.+	Grade 1 Section 9.4 Grade 1 Section 9.5
13.4.a Comparing Inches and Feet	Not identified as a priority standard. See teaching suggestions noted in the letter.	
13.5 Real-World Problems: Customary Length	2.MD.B Relate addition and subtraction to length. 2.NBT.B Use place value understanding and properties of operations to add and subtract. 2.OA.A Represent and solve problems involving addition and subtraction.	
<b>Chapter 14 Time</b>		
14.1 The Minute Hand	Not identified as a priority standard. See teaching suggestions noted in the letter.	
14.2 Reading and Writing Time	Not identified as a priority standard. See teaching suggestions noted in the letter.	
14.3 Using A.M. and P.M.	Not identified as a priority standard. See teaching suggestions noted in the letter.	
14.4 Elapsed Time	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 15 Multiplication Tables of 3 and 4</b>		
15.1 Multiplying 3: Skip-Counting	Not identified as a priority standard. See teaching suggestions noted in the letter.	
15.2 Multiplying 3: Using Dot Paper	2.OA.C Work with equal groups of objects to gain foundations for multiplication.+	Grade 1 Section 18.1 Grade 1 Section 18.3
15.3 Multiplying 4: Skip-Counting	Not identified as a priority standard. See teaching suggestions noted in the letter.	
15.4 Multiplying 4: Using Dot Paper	2.OA.C Work with equal groups of objects to gain foundations for multiplication.+	Grade 1 Section 18.1 Grade 1 Section 18.3

Grade 2 Section	Priority Standards	Prior Learning
15.5 Divide Using Related Multiplication Facts	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 16 Using Bar Models: Multiplication and Division</b>		
16.1 Real-World Problems: Multiplication	2.MD.B Relate addition and subtraction to length.	Grade 1 Section 18.1 Grade 1 Section 18.3
16.2 Real-World Problems: Division	2.MD.B Relate addition and subtraction to length.	Grade 1 Section 18.2
16.3 Real-World Problems: Measurement and Money	2.MD.B Relate addition and subtraction to length.	Grade 1 Section 19.4
<b>Chapter 17 Pictures Graphs</b>		
17.1 Reading Picture Graphs with Scales	Not identified as a priority standard. See teaching suggestions noted in the letter.	
17.2 Making Picture Graphs	Not identified as a priority standard. See teaching suggestions noted in the letter.	
17.2.a Line Plots	2.MD.D Represent and interpret data.+	
17.3 Real-World Problems: Picture Graphs	Not identified as a priority standard. See teaching suggestions noted in the letter.	
<b>Chapter 18 Lines and Surfaces</b>		
18.1 Parts of Lines and Curves	Not identified as a priority standard. See teaching suggestions noted in the letter.	
18.2 Flat and Curved Surfaces	2.G.A Reason with shapes and their attributes.+	Grade 1 Section 5.2
<b>Chapter 19 Shapes and Patterns</b>		
19.1 Plane Shapes	2.G.A Reason with shapes and their attributes.+	Grade 1 Section 5.1
19.1.a Quadrilaterals and Pentagons	2.G.A Reason with shapes and their attributes.+	
19.2 Solid Shapes	2.G.A Reason with shapes and their attributes.+	Grade 1 Section 5.2
19.2.a Faces of a Cube	2.G.A Reason with shapes and their attributes.+	
19.3 Making Patterns	2.G.A Reason with shapes and their attributes.+	Grade 1 Section 5.5 Grade 1 Section 5.6

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