

First Grade 2013-2014 Common Core Math Pacing

Quarter 1	Unit	Big Idea	CCSS	Chapter/ Resources	Suggested Time for Teaching	Vocabulary
		Diagnostic -number sense -counting -writing numbers			1 st full week of school 5 days	
	1	This unit develops a more abstract understanding of place value, viewing 2 digit numbers as tens and ones.	1.NBT.2a 1.NBT.2b	Introduction with base ten blocks, 13-1, 13-2, 13-3, 13-4, 13-5	10 days	tens, regroup, ones, greater than
	2	In this unit students use data to add and subtract within 20. (Students use pictures, drawings and manipulatives)	1.OA.1 1.OA.5 1.MD.4	2-1, 2-2, 3-1, 3-2 4-1, 4-2, 4-3	8 days	number, add, whole, part, subtract, sort, graph, data, picture graph
	3	In this unit students explore length comparisons both directly and indirectly. (shorter, shortest, etc)	1.MD.1	*5, *6	3 days	length, long, short
	4	This unit is focused on counting and writing two digit numbers. This unit provides opportunities to practice making groups of ten to efficiently represent and count objects.	1.NBT.1	1-4, 1-5, 1-6, 8-1, 8-2, 8-4	12 days	number, ones, ten, hundred chart
	5	In this unit students identify the different parts of the clock, making connections between these parts, and the time in hours.	1.MD.3	7-2	5 days	hour, hour hand, minute hand, o'clock

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Assessments and Performance Tasks Quarter 1:

Beginning of the School Year:

- Mingle Activity (<https://www.teachingchannel.org/videos/mingle-count-a-game-of-number-sense>)
- Daily Math Journals- to use throughout the year (TPT)

*** Diagnostic Test (counting, number recognition and written numbers)

Unit 1:

- Counting Collections to 40 (<https://www.teachingchannel.org/videos/skip-counting-with-kindergarteners>)
- Popsicle Stick Numbers (whole group) (<https://www.teachingchannel.org/videos/popsicle-stick-math>)
- Build a Train (<http://www.k-5mathteachingresources.com/support-files/build-a-train.pdf>)
- Teens on a Ten Frame (<http://www.k-5mathteachingresources.com/support-files/teens-on-the-ten-frame.pdf>)
- Tens and Ones with Unifix Cubes (<http://www.k-5mathteachingresources.com/support-files/tensandoneswithunifixcubes.pdf>)

***1.NBT.2.a-b Unit 1 Cube Assessment

Unit 2:

- Making Apple Ten Packs (<http://www.k-5mathteachingresources.com/support-files/makingappletenpacks.pdf>)
- One Duck Stuck (<http://www.k-5mathteachingresources.com/support-files/oneduckstuck.pdf>)
- Understanding Subtraction Worksheet
- Farm Work Sample Picture Problem 1
- Farm Work Sample Picture Problem 2
- Penguin Work Sample Picture Problem 1
- Penguin Work Sample Picture Problem 2
- Bug Work Sample Picture Problem 2
- Sea Star and Crab Work Sample Problem 3

***1.OA.1 Unit 2 Picture Assessment

***1.MD.4 Unit 2 Graphing Assessment

Unit 3:

- Use classroom objects to compare lengths (Ex: compare lengths of pencils within a table group, etc)
- Which is Longest? (<http://www.k-5mathteachingresources.com/support-files/which-is-longest.pdf>)

***Use observations to assess student progress. This standard will be formally assessed in Unit 14.

Unit 4:

- Roll & Build (<http://www.illustrativemathematics.org/illustrations/987>)
- Given a number students will use objects (popsicle sticks, base ten, etc) to bundle to make tens and ones.

***1.NBT.1 Unit 4 Recognizing Numbers to 50, Counting On, and Ten Frame

Unit 5:

- Use classroom clocks to discuss vocabulary and explore time to the hour.

***1.MD.3 Unit 5 Time to the Hour Assessment

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	Unit	Big Idea	CCSS	Chapter/ Resources	Suggested Time for Teaching	Vocabulary
Quarter 2	6	In this unit students are beginning to develop addition and subtraction strategies (dominos, ways to make a sum, etc).	1.OA.3 1.OA.4 1.OA.6	2-3, 2-4, 2-6, 2-7, 2-8, *1, 2-9, 2-10, *2 3-3, 3-4, 3-5, *3, 3-6, 3-7, 3-8, 3-9, 3-10, *4	25 days	addition sentence, equals (=), plus (+), sum, zero, add, whole, part, compare, subtraction sentence, subtract, difference, minus (-)
	7	In this unit students extend their understanding of attributes (size, color, sides)	1.G.1	12-4, 12-5	5 days	Triangle, rectangle, square, circle, side
	8	In this unit students extend their understanding of numbers to 120.	1.NBT.1 1.NBT.2c 1.NBT.3	1-8, 1-9 8-6 13-7, 13-8, 13-9, *18, *19, *20	15 days	greater than, less than, equal to, number line, order, before, after, between, compare, hundred, tens, hundred, ones

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Assessments and Performance Tasks Quarter 2:

Unit 6:

- The Very Hungry Caterpillar Activity (<http://www.illustrativemathematics.org/standards/k8>)
- Number Sentence Match (<http://www.k-5mathteachingresources.com/support-files/numbersentencematch.pdf>)
- Problem Solving Choose the Operation Worksheet (whole part)
- Subtraction Sentences Worksheet
- Scoot Subtraction Smore (TPT)

***1.OA.3 Unit 6 Applying Commutative Property Assessment

***1.OA.5-6 Unit 6 Addition and Subtraction Assessment

Unit 7:

- All vs Only Some Activity (<http://www.illustrativemathematics.org/illustrations/752>)
- Geoboard Squares (<http://www.k-5mathteachingresources.com/support-files/geoboardsquares.pdf>)
- Mystery Box- students are given clues (attributes) to figure out what is in the mystery box. (TPT)

***1.G.1 Unit 7 Attributes of Shapes

Unit 8:

- Counting Collections to 120 (<https://www.teachingchannel.org/videos/skip-counting-with-kindergarteners>)
- Scoop It (<http://www.k-5mathteachingresources.com/support-files/scoop-it.pdf>)
- Comparing 2 digit numbers (<http://www.k-5mathteachingresources.com/support-files/comparing2digitnos1nbt3.pdf>)
- Make Ten Bundles (<http://www.k-5mathteachingresources.com/support-files/make10bundles.pdf>)

***1.NBT.1 Unit 8 Number Recognition to 120, Writing Numbers to 120

***1.NBT.2c Unit 8 Place Value Assessment

***1.NBT.3 Unit 8 comparing Numbers

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Quarter 3	Unit	Big Idea	CCSS	Chapter/ Resources	Suggested Time for Teaching	Vocabulary
	9	In this unit students will extend strategies to reason about and solve addition and subtraction problems. This will include comparing problems.	1.OA.1 1.OA.2 1.OA.6 1.OA.7 1.MD.4	5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7, 5-8 6-1, 6-3, 6-4, 6-5, 6-6, 6-7, 10-1, 10-2, 10-3, *7, 10-6, *8 4-4, 4-5, 4-6, 4-7	30 days	addend, count on, greater than, number line, doubles, doubles plus one, count back, subtract, addition, subtraction, fact family, equals, sum, ten, subtraction sentence, tally chart, bar graph, data
	10	In this unit students extend their understanding of telling and writing time to include the $\frac{1}{2}$ hour.	1.MD.3	7-3, 7-5	5 days	half hour, half past, analog, digital
	11	In this unit students build on their understanding of adding and subtracting within 20 to develop strategies for adding larger numbers. This includes 10 more 10 less.	1.NBT.4 1.NBT.5	*17, 14-1, 14-2, *21, *22, *23, *24	10 days	add, tens, number line, count on, regroup, count back, related facts

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Assessments and Performance Tasks Quarter 3:

Unit 9:

- Doubles Facts (<http://www.k-5mathteachingresources.com/support-files/doublesfacts.pdf>)
- Student Survey and Graph
- Duck! Rabbit! (<http://www.k-5mathteachingresources.com/support-files/duck-rabbit.pdf>)
- Fact Family House (<http://www.k-5mathteachingresources.com/support-files/factfamilyhouse.pdf>)
- Missing Addend Task Cards (Gingerbread) (TPT)
- Pea Pod Scoot Fact Family (TPT)
- Place Value Puffins Scoot - Tally Marks (TPT)

***1.OA.1 Unit 9 Word Problem Assessment

***1.OA.5-6 Unit 9 Addition and Subtraction Strategy Assessment

***1.OA.7 Unit 9 True False Equation Assessment

***1.MD.4 Unit 9 Graphing Assessment

Unit 10:

- Use classroom clocks to discuss vocabulary and explore time to the half hour.
- Time Scoot

***1.MD.3 Unit 10 Telling Time to the Hour and Half-Hour Assessment

Unit 11:

- Ten More (<http://www.k-5mathteachingresources.com/support-files/tenmore1.pdf>)
- Add and Subtract Ten on the Number Line (<http://www.k-5mathteachingresources.com/support-files/add-and-subtract-10-on-the-number-line.pdf>)
- Coral Count Patterns (<https://www.teachingchannel.org/videos/teaching-number-patterns>)
- Number Sentence Scoot (TPT)

***1.NBT.4 Unit 11 Two-Digit Addition Word Problem Assessment

***1.NBT.5 Unit 11 10 More 10 Less Assessment

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Quarter 4	Unit	Big Idea	CCSS	Chapter/ Resources	Suggested Time for Teaching	Vocabulary
	12	In this unit students will use their understanding of attributes in order to draw and compose shapes.	1.G.1 1.G.2	12-1, 12-2, *10, 12-3, *11, 12-8, *12, *13	8 days	Pyramid, cube, sphere, cone, cylinder, rectangular prism, three-dimensional shapes, face, corner, vertex, side, circle, square, triangle, rectangle, trapezoid
	13	In this unit students apply their conceptual understanding of addition, subtraction, and comparison to interpret and write expressions and equations. This includes students making sense of symbols and reasoning whether an equation is true or false.	1.OA.2 1.OA.6 1.OA.7 1.OA.8 1.NBT.3	10-7, 10-8, 10-9, *9, 10- 10, adding 3 numbers	15 days	missing addend, fact family
	14	In this unit students will use non-standard units of measurement for length.	1.MD.2	9-2, 9-3	5 days	measure, unit
	15	In this unit students will partition shapes into equal shares. This includes halves, fourths, and quarters.	1.G.3	*14, *15, *16	5 days	whole, equal part, halves, fourths, quarters

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Assessments and Performance Tasks Quarter 4:

Unit 12:

- Marshmallow Shapes- Students use mini marshmallows and toothpicks to explore and build shapes using their knowledge of the shapes and their attributes.
- Cover a Hexagon (<http://www.k-5mathteachingresources.com/support-files/coverahexagon.pdf>)
- Pattern Block Triangles (<http://www.k-5mathteachingresources.com/support-files/pattern-block-triangles.pdf>)
- 3-D Shape Sort (<http://www.illustrativemathematics.org/standards/k8>)

***1.G.2 Unit 12 Creating Shapes with Triangles Assessment

Unit 13:

- Equality Number Sentences (<http://www.illustrativemathematics.org/illustrations/475>)
- Three Letter Addends (<http://www.k-5mathteachingresources.com/support-files/threeletteraddends.pdf>)
- Add Three Numbers Worksheet
- True or False? (<http://www.k-5mathteachingresources.com/support-files/trueorfalse.pdf>)
- Find 3 Cards (<http://www.k-5mathteachingresources.com/support-files/find3cards.pdf>)
- Turn Around Trains (<http://www.k-5mathteachingresources.com/support-files/turnaroundtrains.pdf>)
- Domino Fact Family (<http://www.k-5mathteachingresources.com/support-files/dominofactfamilies1.oa3.pdf>)
- Find the Missing Number (<http://www.k-5mathteachingresources.com/support-files/findthemissingnumber.pdf>)
- Spring Number Sense Scoot

***1.OA.7 Unit 13 True False and Showing Your Work Assessment

***1.OA.8 Unit 13 Missing Addend Assessment

***1.NBT.3 Comparing Numbers Assessment

***1.OA.6 Fact Family House Assessment

Unit 14:

- Measuring Shoes (<http://www.k-5mathteachingresources.com/support-files/measuringshoes.pdf>)
- Measuring with Connecting Cubes (<http://www.k-5mathteachingresources.com/support-files/measuringwithcubes.pdf>)
- Measuring with Sticks (<http://www.k-5mathteachingresources.com/support-files/measuringwithsticks.pdf>)
- Lots of Lines pg 59-69 (<http://maccss.ncdpi.wikispaces.net/file/view/CCSSMathTasks-Grade1.pdf/376943246/CCSSMathTasks-Grade1.pdf>)

***1.MD.2 Unit 14 Measurement Assessment

Unit 15:

- Fraction Pictures (<http://www.k-5mathteachingresources.com/support-files/fraction-pictures-1g3.pdf>)
- Making Pizza (<http://www.k-5mathteachingresources.com/support-files/make-a-pizza-1g3.pdf>)

***1.G.3 Unit 15 Portion Shapes into Equal Shares Assessment