Common Core State Standards & Long-Term Learning Targets Math, Grade 1

Grade level	1
Discipline(s)	CCSS - Math
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Operations and Algebraic Thinking	Long-Term Target(s)
1.OA.1. Use addition and subtraction within 20 to	I can solve addition and subtraction word
solve word problems involving situations of adding to,	problems up to 20 using a variety of strategies.
taking from, putting together, taking apart, and	
comparing, with unknowns in all positions, e.g., by	
using objects, drawings, and equations with a symbol	
for the unknown number to represent the problem.	
(See Glossary, Table 1)	
1.OA.2. Solve word problems that call for addition of	I can solve addition word problems (using 3 whole
three whole numbers whose sum is less than or equal	numbers, whose sum is $>/=20$.) using a variety of
to 20, e.g., by using objects, drawings, and equations	strategies.
with a symbol for the unknown number to represent	
the problem.	
1.OA.3. Apply properties of operations as strategies to	I can add and subtract using strategies called
add and subtract. ² Examples: If $8 + 3 = 11$ is known, then	"properties of operations".
3 + 8 = 11 is also known. (Commutative property of addition.)	
To add $2 + 6 + 4$, the second two numbers can be added to	
make a ten, so $2 + 6 + 4 = 2 + 10 = 12$. (Associative	
property of addition.) (Students need not use formal terms	
for these properties.)	
1.OA.4.Understand subtraction as an unknown-addend	I can explain how addition and subtraction are
problem. For example, subtract $10 - 8$ by finding the number	related.
that makes 10 when added to 8. Add and subtract within 20.	
1.OA.5. Relate counting to addition and subtraction	I can make connections between counting and
(e.g., by counting on 2 to add 2).	addition and subtraction.
1.OA.6. Add and subtract within 20, demonstrating	I can use different strategies to add and subtract
fluency for addition and subtraction within 10. Use	numbers.
strategies such as counting on; making ten (e.g., 8 + 6	
= 8 + 2 + 4 = 10 + 4 = 14); decomposing a number	I can add and subtract with fluency within 10.
leading to a ten (e.g., $13 - 4 = 13 - 3 - 1 = 10 - 1 = 9$);	
using the relationship between addition and subtraction	
(e.g., knowing that $8 + 4 = 12$, one knows $12 - 8 = 4$);	
and creating equivalent but easier or known sums (e.g.,	
adding 6 + 7 by creating the known equivalent 6 + 6 +	
1 = 12 + 1 = 13).	
1.OA.7. Understand the meaning of the equal sign, and	I can explain the meaning of the equal sign.
determine if equations involving addition and	
subtraction are true or false. For example, which of the	I can tell whether equations (where we add and
following equations are true and which are false? $6 = 6$,	subtract) are true or false.
7 = 8 - 1, $5 + 2 = 2 + 5$, $4 + 1 = 5 + 2$.	

1.OA.8. Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations $8 + ? = 11, 5 = -3, 6 + 6 = $.	I can find the missing number in an addition or subtraction equation.
Number & Operations in Base Ten	Long-Term Target(s)
1.NBT.1. Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.	I can count to 120 from any number less than 120.
	I can read and write any number up to 120.
	I can write the number that matches with a group of objects up to 120.
 1.NBT.2. Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: 10 can be thought of as a bundle of ten ones — called a "ten." The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones). 	I can explain what each digit in a two-digit number represents.
1.NBT.3. Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <.	I can use >, = and < to compare two-digit numbers.
1.NBT.4. Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.	I can develop a variety of strategies for adding numbers and explain my thinking.
1.NBT.5. Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.	I can explain how to find 10 more or 10 less than a number using mental math.
1.NBT.6. Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	I can use a variety of strategies to subtract multiples of 10 (in the range 10-90) and explain my thinking.
Measurement & Data	Long-Term Target(s)
1.MD.1. Order three objects by length; compare the lengths of two objects indirectly by using a third object.	I can compare the length of two objects using a third object.

1.MD.2. Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps.	I can measure objects using non-standard units.
1.MD.3. Tell and write time in hours and half-hours using analog and digital clocks.	I can tell the time using different clocks (analog & digital; to the half-hour).
1.MD.4. Organize, represent, and interpret data with	I can organize data.
up to three categories; ask and answer questions about	I can compare data from different categories or
the total number of data points, how many in each	groups.
category, and how many more or less are in one category than in another.	I can explain what my data represents.
Geometry	Long-Term Target(s)
1.G.1. Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.	I can describe the traits that define shapes.
1.G.2. Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape. ¹	I can combine two- or three-dimensional shapes to create a new shape.
1.G.3. Partition circles and rectangles into two and four equal shares, describe the shares using the words <i>halves</i> , <i>fourths</i> , and <i>quarters</i> , and use the phrases <i>half of</i> , <i>fourth of</i> , and <i>quarter of</i> . Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.	I can divide shapes into equal parts and use halves, fourths and quarters to describe them. I can explain the relationship between halves, fourths and quarters and a whole.