Standard	Exceeding Standard	Meeting Standard	Approaching Standard	Not Yet	
MATH					
Operations and Algebraic	- Interpret products of	-Use addition and	- Use addition and	- Does not represent	
Thinking	whole numbers, e.g.,	subtraction within 100 to	subtraction within 20 to	addition and subtraction	
	interpret 5 × 7 as the total	solve one- and two-step	solve word problems	with objects, fingers,	
	number of objects in 5	word problems	involving situations of	mental images, drawings,	
	groups of 7 objects each.	-Fluently add and subtract	adding to, taking from,	sounds (e.g., claps), acting	
	- Interpret whole-number	within 20 using mental	putting together, taking	out situations, verbal	
	quotients of whole	strategies	apart, and comparing,	explanations, expressions,	
	numbers, e.g., interpret	-Determine whether a	with unknowns in all	or equations.	
	56 ÷ 8 as the number of	group of objects (up to 20)	positions, e.g., by using	- Does not solve addition	
	objects in each share	has an odd or even	objects, drawings, and	and subtraction word	
	when 56 objects are	number of members.	equations with a symbol	problems, and add and	
	partitioned equally into 8	Write an equation to	for the unknown number	subtract within 10.	
	shares, or as a number of	express an even number	to represent the problem.	- Does not decompose	
	shares when 56 objects	as a sum of two equal	- Solve word problems	numbers less than or	
	are partitioned into equal	addends.	that call for addition of	equal to 10 into pairs in	
	shares of 8 objects each.	- Use addition to find the	three whole numbers	more than one way.	
	- Use multiplication and	total number of objects	whose sum is less than or	- Does not find the	
	division within 100 to	arranged in	equal to 20, e.g., by using	number that makes 10	
	solve word problems in	rectangular arrays with up	objects, drawings, and	when added to the given	
	situations involving equal	to 5 rows and up to 5	equations with a symbol	number (using numbers 1-	
	groups, arrays, and	columns; write an	for the unknown number	9).	
	measurement quantities,	equation to express the	to represent the problem.	- Fluently add and subtract	
	e.g., by using drawings and	total as a sum of equal	- Apply properties of	within 5.	
	equations with a symbol	addends	operations as strategies to		
	for the unknown		add and subtract.3		
	number to represent the		Examples:		
	problem.		If 8 + 3 = 11 is known, then		
	- Determine the unknown		3 + 8 = 11 is also known.		
	whole number in a		- Understand subtraction		
	multiplication or division		as an unknown-addend		

Second Grade Report Card Companion Rubric Math

oguation relating three	nrohlem For example
equation relating three whole numbers.	problem. For example,
	subtract 10 – 8 by finding the number that makes 10
- Apply properties of	
operations as strategies to	when added to 8. Add and
multiply and divide.	subtract within 20.
- Understand division as an	- Relate counting to
unknown-factor problem.	addition and subtraction
- Fluently multiply and	(e.g., by counting on 2 to
divide within 100, using	add 2).
strategies such as the	- Add and subtract within
relationship between	20, demonstrating fluency
multiplication and division	for addition and
(e.g., knowing that 8 ×	subtraction within 10. Use
5 = 40, one knows 40 ÷ 5 =	strategies such as counting
8) or properties of	on; making ten
operations. Know from	(e.g., 8 + 6 = 8 + 2 + 4 = 10
memory all products of	+ 4 = 14); decomposing a
two one-digit numbers.	number leading to
- Solve two-step word	a ten (e.g., 13 – 4 = 13 – 3
problems using the four	− 1 = 10 − 1 = 9); using the
operations. Represent	relationship between
these problems using	addition and subtraction
equations with a letter	(e.g., knowing that 8 + 4 =
standing for the unknown	12, one knows 12 – 8
quantity. Assess the	= 4); and creating
reasonableness of answers	equivalent but easier or
using mental	known sums.
computation and	- Understand the meaning
estimation strategies	of the equal sign, and
including rounding.	determine if equations
- Identify arithmetic	involving addition and
patterns (including	subtraction are true or
patterns in the addition	false.
table or multiplication	- Determine the unknown

	table) and explain them		whole number in an	
	table), and explain them		addition or subtraction	
	using properties of			
	operations.		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 = �.	
Number and Operations	- Use place value	-Understand that the	-Count to 120, starting at	- Does not compose and
in Base Ten	understanding to round	three digits of a three-digit	any number less than 120.	decompose numbers from
	whole numbers to the	number represent	In this range, read and	11 to 19 into ten ones and
	nearest 10 or 100.	amounts of hundreds,	write numerals and	some further ones, e.g., by
	- Fluently add and subtract	tens, and ones	represent a number of	using objects or drawings,
	within 1000 using	-Count within 1000; skip-	objects with a written	and record each
	strategies and algorithms	count by 5s, 10s, and 100s.	numeral. Understand	composition or
	based on place value,	-Read and write numbers	place value.	decomposition by a
	properties of operations,	to 1000 using base-ten	-Understand that the two	drawing or equation (e.g.,
	and/or the relationship	numerals, number	digits of a two-digit	18 = 10 +8); understand
	between addition and	names, and expanded	number represent	that these numbers are
	subtraction.	form.	amounts of tens and ones.	composed of ten ones and
	- Multiply one-digit whole	-Compare two three-digit	-Compare two two-digit	one, two, three, four, five,
	numbers by multiples of	numbers based on	numbers based on	six, seven, eight, or nine
	10 in the range 10–90	meanings of the hundreds,	meanings of the tens and	ones.
	(e.g., 9 × 80, 5 × 60) using	tens, and ones digits, using	ones digits, recording the	
	strategies based on place	>, =, and < symbols to	results of comparisons	
	value and properties of	record the results of	with the symbols >, =, and	
	operations.	comparisons.	<.	
		-Add and subtract within	- Add within 100, including	
		1000, using concrete	adding a two-digit number	
		models or drawings	and a one-digit number,	
		and strategies based on	and adding a two-digit	
		place value, properties of	number and a multiple of	
		operations, and/or	10, using concrete models	

the relationship between	or drawings and strategies
addition and subtraction;	based on place value,
relate the strategy	properties of operations,
to a written method.	and/or the relationship
Understand that in adding	between addition and
or subtracting threedigit	subtraction; relate the
numbers, one adds or	strategy to a written
subtracts hundreds and	method and explain the
hundreds, tens	reasoning used.
and tens, ones and ones;	Understand that in adding
and sometimes it is	two-digit numbers, one
necessary to compose or	adds tens and tens, ones
decompose tens or	and ones; and sometimes
hundreds.	it is necessary to compose
-Mentally add 10 or 100 to	a ten.
a given number 100–900,	-Given a two-digit number,
and mentally	mentally find 10 more or
subtract 10 or 100 from a	10 less than the number,
given number 100–900.	without having to count;
-Explain why addition and	explain the reasoning
subtraction strategies	used.
work, using place value	-Subtract multiples of 10
and the properties of	in the range 10-90 from
operation	multiples of 10 in the
	range 10-90, 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.	
Measurement and Data	- Tell and write time to the	-Measure the length of an	- Order three objects by	- Describe measurable
	nearest minute and	object by selecting and	length; compare the	attributes of objects, such
	measure time intervals	using appropriate tools	lengths of two objects	as length or weight.
	in minutes. Solve word	such as rulers, yardsticks,	indirectly by using a third	Describe several
	problems involving	meter sticks, and	object.	measurable attributes of a
	addition and subtraction	measuring tapes.	- Express the length of an	single object.
	of time intervals in	-Measure the length of an	object as a whole number	- Directly compare two
	minutes.	object twice, using length	of length units, by laying	objects with a measurable
	- Measure and estimate	units of different lengths	multiple copies of a	attribute in common,
	liquid volumes and masses	for the two	shorter object (the length	to see which object has
	of objects using	measurements; describe	unit) end to end;	"more of"/"less of" the
	standard units of grams	how the two	understand that the length	attribute, and describe
	(g), kilograms (kg), and	measurements relate to	measurement of an object	the difference. For
	liters (I).6 Add, subtract,	the size of the unit chosen.	is the number of same-size	example, directly compare
	multiply, or divide to solve	-Estimate lengths using	length units that span it	the heights of two children
	one-step word problems	units of inches, feet,	with no gaps or overlaps.	and describe one child as
	involving masses or	centimeters, and meters.	- Tell and write time in	taller/shorter.
	volumes that are given in	-Measure to determine	hours and half-hours using	Classify objects and count
	the same units, e.g., by	how much longer one	analog and digital	the number of objects in
	using drawings (such as a	object is than another,	clocks.	each category.
	beaker with a	expressing the length	- Organize, represent, and	- Classify objects into given
	measurement scale) to	difference in terms of a	interpret data with up to	categories; count the
	represent	standard length unit.	three categories; ask and	numbers of objects in
	the problem.	Relate addition and	answer questions about	each category and sort the
	- Draw a scaled picture	subtraction to length.	the total number of data	categories by count.
	graph and a scaled bar	-Use addition and	points, how many	
	graph to represent a	subtraction within 100 to	in each category, and how	
	data set with several	solve word problems	many more or less are in	
	categories. Solve one- and	involving lengths that are	one category than in	
	two-step "how many	given in the same units,	another.	
	more" and "how many	e.g., by using		
	less" problems using	drawings (such as		
	information presented in	drawings of rulers) and		

scaled bar graphs.	equations with a symbol	
- Generate measurement	for the unknown number	
data by measuring lengths	to represent the problem.	
using rulers marked with	- Represent whole	
halves and fourths of an	numbers as lengths from 0	
inch. Show the data by	on a number line diagram	
making a line plot, where	with equally spaced points	
the horizontal scale is	corresponding to the	
marked off in appropriate	numbers 0, 1, 2,, and	
units—whole numbers,	represent whole-number	
halves, or quarters.	sums and differences	
- Recognize area as an	within 100 on a number	
attribute of plane figures	line diagram.	
and understand concepts	- Tell and write time from	
of area measurement.	analog and digital clocks to	
- Measure areas by	the nearest five	
counting unit squares	minutes, using a.m. and	
(square cm, square m,	p.m.	
square in, square ft, and	- Solve word problems	
improvised units).	involving dollar bills,	
- Relate area to the	quarters, dimes, nickels,	
operations of	and pennies, using \$ and ¢	
multiplication and	symbols appropriately.	
addition.	-Generate measurement	
- Solve real world and	data by measuring lengths	
mathematical problems	of several objects	
involving perimeters	to the nearest whole unit,	
of polygons, including	or by making repeated	
finding the perimeter	measurements of the	
given the side lengths,	same object. Show the	
finding an unknown side	measurements by making	
length, and exhibiting	a line plot, where the	
rectangles with the	horizontal scale is marked	
same perimeter and	off in whole-number units.	

	1155			
	different areas or with the	- Draw a picture graph and		
	same area and different	a bar graph (with single-		
	perimeters.	unit scale) to represent a		
		data set with up to four		
		categories. Solve simple		
		put together,		
		take-apart, and compare		
		problems4 using		
		information		
		presented in a bar graph.		
Geometry	- Understand that shapes	-Recognize and draw	- Distinguish between	- Describe objects in the
	in different categories	shapes having specified	defining attributes (e.g.,	environment using names
	(e.g., rhombuses,	attributes, such as a given	triangles are closed and	of shapes, and describe
	rectangles, and others)	number of angles or a	three-sided) versus non-	the relative positions of
	may share attributes (e.g.,	given number of equal	defining attributes (e.g.,	these objects using terms
	having four sides),	faces. Identify triangles,	color, orientation,	such as above, below,
	and that the shared	quadrilaterals, pentagons,	overall size); build and	beside, in front of, behind,
	attributes can define a	hexagons, and cubes.	draw shapes to possess	and next to.
	larger category (e.g.,	- Partition a rectangle into	defining attributes.	- Correctly name shapes
	quadrilaterals). Recognize	rows and columns of	- Compose two-	regardless of their
	rhombuses, rectangles,	same-size squares and	dimensional shapes	orientations or overall
	and squares as	count to find the total	(rectangles, squares,	size.
	examples of	number of them.	trapezoids, triangles, half-	- Identify shapes as two-
	quadrilaterals, and draw	- Partition circles and	circles, and quarter-circles)	dimensional (lying in a
	examples of quadrilaterals	rectangles into two, three,	or three-dimensional	plane, "flat") or three-
	that do not belong to any	or four equal shares,	shapes	dimensional ("solid").
	of these subcategories.	describe the shares using	(cubes, right rectangular	- Analyze and compare
	- Partition shapes into	the words halves, thirds,	prisms, right circular	two- and three-
	parts with equal areas.	half of, a third of,	cones, and right circular	dimensional shapes, in
	Express the area of each	etc., and describe the	cylinders) to create a	different sizes and
	part as a unit fraction of	whole as two halves, three	composite shape, and	orientations, using
	the whole.	thirds, four fourths.	compose new shapes from	informal language to
		Recognize that equal	the composite shape.	describe their similarities,
		shares of identical wholes	- Partition circles and	differences, parts (e.g.,
	1			

	need not have the	rectangles into two and	number of sides and
	same shape.	four equal shares, describe	vertices/"corners") and
		the shares using the words	other attributes (e.g.,
		halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.	 having sides of equal length). Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. Compose simple shapes to form larger shapes. For example, "Can you join these two triangles with full sides touching to make a rectangle?"