

MATHEMATICS

Grading Benchmarks - FIRST GRADE

Trimester	1	2	3	4
Operations and Algebraic Thinking				
1. Understand and apply properties of operations and the relationship between addition and subtraction.				
1st.	1OA1 Accurately compares two sums less than 50% of the time	Inconsistently successful comparing two sums	Consistently successful comparing two sums	Consistently successful comparing two sums and explaining their math thinking
	1OA2 Unable or rarely able to add three numbers with a sum less than 20	Inconsistently successful adding three numbers with a sum less than 20	Consistently successful adding three numbers with a sum less than 20	Uses associative property and addition strategies (sums of 10) to add three numbers
2nd.	Finds less than half of all the combinations to make a number up to 10	Inconsistently finds all the combinations to make a number up to 10	Consistently finds all the combinations to make a number up to 10	Independently uses their knowledge of combinations to solve problems
	Unable or rarely able to demonstrate an understanding of the commutative property of addition	Inconsistently demonstrates an understanding of the commutative property of addition	Consistently demonstrates an understanding of the commutative property of addition	Uses the commutative property to solve problems
3rd.	Unable or rarely able to use the commutative property of addition to help solve problems	Inconsistently uses the commutative property of addition to solve problems	Consistently uses the commutative property of addition to solve problems	Independently applies the commutative property to solve problems with an explanation
2. 1OA.5, 1OA.6 Add and subtract within 20.				
1st.	Accurate less than 50% of the time adding within 10 with counters	Accuracy is inconsistent adding within 10 with counters	Consistently accurate adding within 10 with counters	Consistently accurate adding within 10
	Unable or rarely able to write an addition equation for a problem	Inconsistent writing an addition equation for a problem	Consistent writing an addition equation accurately for a problem	Consistent writing addition and subtraction equations for problems accurately
	Decomposes numbers 5 or less	Consistently decomposes numbers within 8	Consistently decomposes numbers within 10	Independently uses decomposing numbers as a strategy to solve problems and explains their thinking
	Unable or rarely able to count on to solve addition problems	Inconsistently counts on accurately to solve addition problems	Consistently counts on accurately to solve addition problems	Independently counts on accurately and explains their thinking

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Operations and Algebraic Thinking				
2. 1OA.5, 1OA.6 Add and subtract within 20.				
2nd.	Accurate less than 50% of the time adding within 10	Inconsistently accurate adding within 10	Consistently accurate adding within 10	Consistently accurate adding and subtracting within 10
3rd	Accurate less than 50% of the time adding and subtracting within 20	Inconsistent using and explaining strategies (counting on, making ten, and using relationship between addition and subtraction) when adding and subtracting within 20	Consistently uses strategies (counting on, making ten, and using relationship between addition and subtraction) when adding and subtracting within 20 Inconsistent explaining their strategy	Consistently uses multiple strategies and clearly explains their thinking
3. 1OA.8 Determine the unknown number in an addition or subtraction equation.				
2nd	Unsuccessful finding missing addends	Inconsistently successful finding missing addends	Consistently successful finding missing addends	Consistently solves addition and subtraction problems with unknowns in any position
3rd.	Unsuccessful solving problems with an unknown number in any position within 10	Inconsistent solving problems with an unknown number in any position within 10	Consistently solves problems with an unknown number in any position within 10	Consistently solves problems with an unknown number in any position beyond 10
Number and Operations in Base Ten				
1.NBT.2,3 Understand place value of 2-digit numbers				
2nd	Unable or rarely able to read and write 2-digit numbers in multiple ways	Inconsistently reads and writes 2-digit numbers in multiple ways	Consistently reads and writes 2-digit numbers in multiple ways	Consistently reads and writes 3-digit numbers in multiple ways
3rd	Unable or rarely able to compare 2-digit numbers based on tens and ones	Inconsistently compares 2-digit numbers based on tens and ones and writes an equation	Consistently compares 2-digit numbers based on tens and ones and writes an equation	Compares 3-digit numbers based on hundreds, tens and ones and explains their thinking

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Number and Operations in Base Ten				
1.NBT.4,5,6 Use place value and properties of operations to add and subtract within 100 with models and drawings.				
1st	Unable or rarely able to add within 12 with a ten frame	Inconsistently adds within 12 with a ten frame	Consistently adds within 12 with a ten frame	Consistently adds within 12 by forming 10's
2nd	Unable or rarely able to subtract within 12 with drawings	Inconsistently able to subtract within 12 with drawings	Consistently able to subtract within 12 with drawings	Consistently subtracts within 20
3rd	Unable or rarely able to add a 2-digit number and a 1-digit number or a multiple of 10 with models, drawings or strategies based on place value	Inconsistently able to add a 2-digit number and a 1-digit number or a multiple of 10 with models, drawings or strategies based on place value	Consistently able to add a 2-digit number and a 1-digit number or a multiple of 10 with models, drawings or strategies based on place value	Makes connections to other ideas or concepts and challenges themselves
	Unable or rarely able to find 10 more or 10 less than a number without counting	Inconsistently able to find 10 more or 10 less than a number without counting	Consistently able to find 10 more or 10 less than a number without counting	Consistently able to find 100 more or 100 less than a 3-digit number without counting
	Unable or rarely able to subtract multiples of 10 in the range 10-90 with models, drawings, or strategies based on place value	Inconsistently able to subtract multiples of 10 in the range 10-90 with models, drawings, or strategies based on place value	Consistently able to subtract multiples of 10 in the range 10-90 with models, drawings, or strategies based on place value	Consistently able to subtract multiples of 10 in the range 10-90 mentally
Measurement and Data				
1.MD.1,2 Measure lengths indirectly and by iterating length units.				
2nd.	Unable or rarely able to order three objects by length	Inconsistently orders three objects by length	Consistently orders three objects by length	Consistently orders more than three objects by length
	Unable or rarely able to measure an object by laying units end to end with no gaps or overlaps	Inconsistently measures an object by laying units end to end with no gaps or overlaps	Consistently measures an object by laying units end to end with no gaps or overlaps	

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Measurement and Data				
1.MD.3 Tell and write time in hours and half-hours using analog and digital clocks.				
2nd.	Unable or rarely able to tell time in hours and half-hours using analog and digital clocks	Inconsistently tells time in hours and half-hours using analog and digital clocks	Consistently tells time in hours and half-hours using analog and digital clocks	Consistently tells time in 5 minutes using analog and digital clocks
3rd	Unable or rarely able to tell time in hours and half-hours using analog and digital clocks	Inconsistently tells time in hours and half-hours using analog and digital clocks	Consistently tells time in hours and half-hours using analog and digital clocks	Consistently tells time in 1 minute intervals using analog and digital clocks
1.MD.4 Represent and interpret data with up to three categories				
2nd.	Unable or rarely able to organize and represent data with up to three categories	Inconsistently organizes and represents data with up to three categories	Consistently organizes and represents data with up to three categories	Organizes and represents data with up to three categories and can explain their process
	Unable or rarely able to interpret data with up to three categories	Inconsistently interprets data with up to three categories	Consistently interprets data with up to three categories	

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Geometry				
1.G..1,2 Build and draw shapes with defining attributes.				
1st.	Unable or rarely able to distinguish between defining attributes (three sides) and non-defining attributes (color)	Inconsistently distinguishes between defining attributes (three sides) and non-defining attributes (color)	Consistently distinguishes between defining attributes (three sides) and non-defining attributes (color)	Sorts by defining attributes and explains their reasoning
	Unable or rarely able to build or draw shapes with defining attributes	Inconsistently builds or draws shapes with defining attributes	Consistently builds or draws shapes with defining attributes	Compares and contrasts attributes of different shapes
	Unable or rarely able to join or take apart shapes to form other shapes	Inconsistently joins or takes apart shapes to form other shapes	Consistently joins or takes apart shapes to form other shapes	

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Assessments
U1: 3.6, 4.5, 4.7 U3 1.9, 3.5, 4.8
U6: 2.5
U6
U1 4.7 U3 3.5, 4.8

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Assessments
U6 2.5, 3.3, 3.6, 3.7
U7 2.7, U8 2.8, 3.4, 3.5, 3.6
U6 3.8
U7
U6
U8

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Assessments
U1, U3
U6
U8 3.6, 4A.5
U5 1.6, 2.3, 2.4, 2.5

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Assessments	
U4 2.5	U5
1.1, 1.5, 1.6, 3A.1	
U7 1.8,	
U8 3.1	U9
2.3A	
U2 1.7, 2.5, 3.4	

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Assessments
U5