

Mathematics Grade 5 Number (N)				
Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
N5.1 I can represent, compare and describe whole numbers to 1 000 000.	<ul style="list-style-type: none"> • With help, I can read OR write numbers up to 1 000 000. 	<ul style="list-style-type: none"> • I can read OR write numbers up to 1 000 000. 	<ul style="list-style-type: none"> • I can read AND write numbers up to 1 000 000. 	<ul style="list-style-type: none"> • I can read OR write numbers beyond 1 000 000.
	<ul style="list-style-type: none"> • With help, I can represent numbers up to 1 000 000 concretely, pictorially, OR symbolically. 	<ul style="list-style-type: none"> • I can represent numbers up to 1 000 000 concretely, pictorially, OR symbolically. 	<ul style="list-style-type: none"> • I can represent numbers up to 1 000 000 concretely, pictorially, AND symbolically. 	<ul style="list-style-type: none"> • I can represent numbers beyond 1 000 000 concretely, pictorially, OR symbolically.
	<ul style="list-style-type: none"> • With help, I can describe a few representations of quantities using place value patterns OR the base ten system. 	<ul style="list-style-type: none"> • I can describe some representations of quantities using place value patterns OR the base ten system. 	<ul style="list-style-type: none"> • I can describe many representations of quantities using place value patterns AND the base ten system. 	<ul style="list-style-type: none"> • I can explain how a wide variety of numbers have been represented AND provide reasons for why errors in speech or writing might occur.
	<ul style="list-style-type: none"> • With help, I can solve some problems involving the quantity of whole numbers to 1 000 000. 	<ul style="list-style-type: none"> • I can solve some problems involving the quantity of whole numbers to 1 000 000. 	<ul style="list-style-type: none"> • I can pose and solve problems that compare the quantity of whole numbers to 1 000 000. 	<ul style="list-style-type: none"> • I can pose and solve problems that compare the quantity of whole numbers beyond 1 000 000.
	<ul style="list-style-type: none"> • I can identify examples of whole numbers to 1 000 000. 	<ul style="list-style-type: none"> • I can compare examples of whole numbers to 1 000 000 using greater than, less than, and equal to. 	<ul style="list-style-type: none"> • I can compare and order examples of whole numbers to 1 000 000. 	<ul style="list-style-type: none"> • I can compare and order whole numbers beyond 1 000 000.
Comments				

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N5.2 I can develop strategies for multiplication. I can multiply whole numbers.	<ul style="list-style-type: none"> • With help, I can identify a few mental math strategies for determining multiplication facts. 	<ul style="list-style-type: none"> • I can identify and apply a few mental math strategies for determining multiplication facts. 	<ul style="list-style-type: none"> • I can describe and apply many mental math strategies for determining multiplication facts to 81. 	<ul style="list-style-type: none"> • I can explain and apply a wide variety of mental math strategies for determining multiplication facts to 81 or beyond.
	<ul style="list-style-type: none"> • With help, I can identify strategies for multiplying two whole numbers. 	<ul style="list-style-type: none"> • I can identify strategies for multiplying two whole numbers. 	<ul style="list-style-type: none"> • I can apply strategies for multiplying two whole numbers. 	<ul style="list-style-type: none"> • I can compare strategies for multiplying two whole numbers.
	<ul style="list-style-type: none"> • With help, I can identify the distributive property. 	<ul style="list-style-type: none"> • I can give an example of the distributive property. 	<ul style="list-style-type: none"> • I can explain the use of the distributive property to determine a product of factors that are close to multiples of 10. 	<ul style="list-style-type: none"> • I can explain the use of the distributive property to determine a product of a wide variety of factors.
	<ul style="list-style-type: none"> • With help, I can model multiplying 2-digit factors concretely or pictorially. 	<ul style="list-style-type: none"> • I can model multiplying 2-digit factors concretely or pictorially. 	<ul style="list-style-type: none"> • I can model multiplying 2-digit factors concretely or pictorially AND record the process symbolically. 	<ul style="list-style-type: none"> • I can model multiplying more than 2-digit factors concretely or pictorially AND record the process symbolically.
	<ul style="list-style-type: none"> • With help, I can identify concretely, pictorially AND symbolically the distributive property using expanded notation. 	<ul style="list-style-type: none"> • I can illustrate concretely, pictorially OR symbolically the distributive property using expanded notation. 	<ul style="list-style-type: none"> • I can illustrate concretely, pictorially, AND symbolically the distributive property using expanded notation AND partial products. 	<ul style="list-style-type: none"> • I can illustrate concretely, pictorially, AND symbolically the distributive property using expanded notation AND partial products, and explain my reasoning.
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N5.3 I can divide a 3-digit whole number by a 1-digit whole number and know what to do with a remainder.	<ul style="list-style-type: none"> • With help, I can model the division process as equal sharing or equal grouping. 	<ul style="list-style-type: none"> • I can model the division process as equal sharing or equal grouping. 	<ul style="list-style-type: none"> • I can model the division process as equal sharing or equal grouping AND record the process symbolically. 	<ul style="list-style-type: none"> • I can create and explain my own representation of the division process concretely, pictorially, AND symbolically.
	<ul style="list-style-type: none"> • With help, I can divide a 3-digit whole number by a one-digit whole number, and know what to do with a remainder. 	<ul style="list-style-type: none"> • I can divide a 3-digit whole number by a one-digit whole number, and I sometimes know what to do with a remainder. 	<ul style="list-style-type: none"> • I can divide a 3-digit whole number by a one-digit whole number, and I know what to do with a remainder. 	<ul style="list-style-type: none"> • I can divide a 3-digit whole number by a one-digit whole number, and I know what to do with a remainder, and explain the process.
	<ul style="list-style-type: none"> • With help, I can identify concrete, pictorial OR symbolic strategies for dividing 3-digit whole numbers by 1-digit whole numbers in problem solving. 	<ul style="list-style-type: none"> • I can apply concrete, pictorial OR symbolic strategies for dividing 3-digit whole numbers by 1-digit whole numbers in problem solving. 	<ul style="list-style-type: none"> • I can apply concrete, pictorial AND symbolic strategies for dividing 3-digit whole numbers by 1-digit whole numbers in problem solving. 	<ul style="list-style-type: none"> • I can apply concrete, pictorial OR symbolic strategies for dividing beyond 3-digit whole numbers by more than 1-digit whole numbers in problem solving.
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N5.4 I can use strategies to estimate, including <ul style="list-style-type: none"> • front-end rounding • compensation • compatible numbers. 	<ul style="list-style-type: none"> • With help, I can identify a strategy used to estimate. 	<ul style="list-style-type: none"> • I can use a few strategies used to estimate. 	<ul style="list-style-type: none"> • I can use many strategies to estimate the results of whole-number computations. 	<ul style="list-style-type: none"> • I can select strategies to estimate the results of whole-number computations according to a specific context.
	<ul style="list-style-type: none"> • With help, I can describe compatible numbers, compensation OR front-end rounding. 	<ul style="list-style-type: none"> • I can describe compatible numbers, compensation OR front-end rounding. 	<ul style="list-style-type: none"> • I can explain compatible numbers, compensation, AND front-end rounding. 	<ul style="list-style-type: none"> • I can make comparisons between compatible numbers, compensation and front-end rounding as estimation strategies.
	<ul style="list-style-type: none"> • With help, I can identify the estimation strategies of compatible numbers, compensation OR front-end rounding. 	<ul style="list-style-type: none"> • I can explain the estimation strategies of compatible numbers, compensation OR front-end rounding. 	<ul style="list-style-type: none"> • I can apply compatible numbers, compensation, AND front-end rounding to estimation AND explain my choice. 	<ul style="list-style-type: none"> • I can critique the effectiveness of using compatible numbers, compensation, AND front-end rounding in estimating in different situations.
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N5.5 I can use manipulatives and pictures to show equivalent fractions and to compare fractions.	<ul style="list-style-type: none"> • With help, I can identify equivalent fractions in concrete, pictorial, AND physical models. 	<ul style="list-style-type: none"> • I can identify equivalent fractions in concrete, pictorial, AND physical models. 	<ul style="list-style-type: none"> • I can create concrete, pictorial, OR physical models of equivalent fractions. 	<ul style="list-style-type: none"> • I can create concrete, pictorial AND physical models of equivalent OR nonequivalent fractions.
	<ul style="list-style-type: none"> • With help, I can identify two equivalent fractions using concrete materials, pictorial representations OR symbols. 	<ul style="list-style-type: none"> • I can verify whether two fractions are equivalent using concrete materials, pictorial representations, OR symbols. 	<ul style="list-style-type: none"> • I can compare two equivalent fractions using concrete materials, pictorial representations AND symbols. 	<ul style="list-style-type: none"> • I can create and verify equivalent fractions using concrete materials, pictorial representations, AND symbols.
	<ul style="list-style-type: none"> • I can compare a set of fractions with like denominators. 	<ul style="list-style-type: none"> • I can compare a set of fractions with like AND unlike denominators. 	<ul style="list-style-type: none"> • I can compare a set of fractions with like AND unlike denominators AND order these fractions. 	<ul style="list-style-type: none"> • I can create a set of fractions with like and unlike denominators AND order these fractions.
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N5.6 I can represent decimals in different ways. I can recognize that fractions and decimals can represent the same amount. I can use benchmarks to help me order decimals.	<ul style="list-style-type: none"> I can represent a decimal to the hundredths concretely or pictorially. 	<ul style="list-style-type: none"> I can represent a decimal to the thousandths concretely or pictorially. 	<ul style="list-style-type: none"> I can represent a decimal to the thousandths concretely OR pictorially AND tell a story about it. 	<ul style="list-style-type: none"> I can represent a whole number with a decimal to the thousandths concretely OR pictorially AND tell a story about it.
	<ul style="list-style-type: none"> With help, I can predict whether a decimal and a fraction will be equal. 	<ul style="list-style-type: none"> I can predict whether a decimal and a fraction will be equal. 	<ul style="list-style-type: none"> I can predict the relationship of equality of decimal and fractional forms AND verify this concretely, pictorially, OR logically. 	<ul style="list-style-type: none"> I can create examples of equal decimals and fractions concretely AND pictorially.
	<ul style="list-style-type: none"> With help, I can describe how to write fractions as decimals OR decimals as fractions with a denominator of 10, 100, or 1000. 	<ul style="list-style-type: none"> I can describe how to write fractions as decimals OR decimals as fractions with a denominator of 10, 100, or 1000. 	<ul style="list-style-type: none"> I can explain how to write fractions as decimals AND decimals as fractions with a denominator of 10, 100, or 1000. 	<ul style="list-style-type: none"> I can compare the processes of writing fractions as decimals and decimals as fractions with a denominator of 10, 100, or 1000.
	<ul style="list-style-type: none"> With help, I can use benchmarks to order a given set of decimals. 	<ul style="list-style-type: none"> I can use benchmarks to order a given set of decimals. 	<ul style="list-style-type: none"> I can select and use benchmarks to order a given set of decimals. 	<ul style="list-style-type: none"> I can select and explain benchmarks to create an ordered set of decimals.
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N5.7 I can add and subtract decimal numbers to thousandths.	<ul style="list-style-type: none"> • With help, I can explain concrete OR pictorial models to represent how to determine the sum OR difference of two decimal numbers. 	<ul style="list-style-type: none"> • I can compare concrete OR pictorial models to represent how to determine the sum or difference OR two decimal numbers. 	<ul style="list-style-type: none"> • I can create concrete OR pictorial models to represent how to determine the sum AND difference of two decimal numbers. 	<ul style="list-style-type: none"> • I can create concrete AND pictorial models to represent the determination of the sum AND difference of two decimal numbers.
	<ul style="list-style-type: none"> • I can add OR subtract decimal numbers to hundredths. 	<ul style="list-style-type: none"> • I can add OR subtract decimal numbers to thousandths. 	<ul style="list-style-type: none"> • I can add AND subtract decimal numbers to thousandths. 	<ul style="list-style-type: none"> • I can add AND subtract decimal numbers beyond thousandths.
	<ul style="list-style-type: none"> • With help, I can describe how to use place value to calculate sums and differences of decimals. 	<ul style="list-style-type: none"> • I can describe how to use place value to calculate sums and differences of decimals. 	<ul style="list-style-type: none"> • I can explain how understanding place value is necessary in calculating sums and differences of decimals. 	<ul style="list-style-type: none"> • I can compare how place value works in calculating sums and differences of decimals AND whole numbers.
	<ul style="list-style-type: none"> • With help, I can describe a strategy for determining the sums and differences of decimals. 	<ul style="list-style-type: none"> • I can describe a strategy for determining the sums and differences of decimals. 	<ul style="list-style-type: none"> • I can demonstrate my strategy for estimating sums and differences of decimals. 	<ul style="list-style-type: none"> • I can compare strategies for estimating sums and differences of decimals.
Comments				