

Skills and Concepts to Enhance (73% Probability*) 181 - 190	Skills and Concepts to Develop (50% Probability*) 191 - 200	Skills and Concepts to Introduce (27% Probability*) 201 - 210
<p>Understand Place Value, Counting, and Cardinality</p> <ul style="list-style-type: none"> Identifies the numeral and written name for whole numbers 101 to 999 (e.g., 342 is three hundred forty-two, and vice versa) Identifies the numeral and written name for whole numbers to 1000 to 9999 (e.g., 3456 is three thousand, four hundred fifty-six, and vice versa) Identifies the numeral and written name for whole numbers 10,000 to 100,000 Compares whole numbers through 999 Rounds 2- and 3- digit whole numbers to the nearest ten Rounds 3-digit whole numbers to the nearest hundred Counts objects that are grouped into tens and ones Identifies whole numbers under 100 given place value terms (e.g., 3 tens and 4 ones = 34) Identifies the place value and value of each digit in whole numbers through the tens place Identifies the place value and value of each digit in whole numbers through the hundreds place Identifies the place value and value of each digit in whole numbers through the thousands Identifies the place value and value of each digit in whole numbers through the hundred thousands Compares and orders decimals to the hundredths place (same number of digits after decimal) 	<p>Understand Place Value, Counting, and Cardinality</p> <ul style="list-style-type: none"> Identifies whole numbers over 999 using base-10 blocks Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers 10,000 to 100,000 Identifies the numeral and written name for whole numbers over 100,000 Compares whole numbers to 100, using the symbols for 'less than', 'equal to', or 'greater than' (<, =, >) Compares whole numbers through the thousands using the symbols <, >, or = Rounds 2- and 3- digit whole numbers to the nearest ten Rounds 3-digit whole numbers to the nearest hundred Identifies whole numbers under 100 given place value terms (e.g., 3 tens and 4 ones = 34) Identifies the place value and value of each digit in whole numbers through the thousands Identifies the place value and value of each digit in whole numbers through the hundred thousands Writes whole numbers in standard and expanded form through the hundreds Writes whole numbers in standard and expanded form through the thousands 	<p>Understand Place Value, Counting, and Cardinality</p> <ul style="list-style-type: none"> Identifies whole numbers over 999 using base-10 blocks Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers over 100,000 Compares whole numbers through the billions using the symbols <, >, or = Orders whole numbers a million or greater using < or > symbols Rounds 4-, 5-, and 6-digit whole numbers to the nearest ten Rounds 4-, 5-, and 6-digit whole numbers to the nearest hundred Rounds 4-, 5-, and 6-digit whole numbers to the nearest thousand Rounds whole numbers to the nearest hundred thousand Rounds wholes numbers to the nearest billion Explains the rules for rounding Writes equivalent forms of whole numbers using place value (e.g., 54 = 4 tens and 14 ones) Identifies the place value and value of each digit in whole numbers through the billions Writes whole numbers in standard and expanded form through the hundred thousands Applies base ten place value concepts with whole numbers to solve problems Writes whole numbers using place value terms and vice versa Rounds decimals to the nearest whole number
<p>Number and Operations in Base Ten</p> <ul style="list-style-type: none"> Adds two or three 2-digit number with regrouping Adds 3-digit numbers, with regrouping, with sums under 1000 Performs mental computation with 2, 3, or 4 addends Adds two 3- and/or 4-digit numbers, with regrouping, with sums over 1000 Adds multiple-digit numbers, with regrouping, with sums over 1000 Uses models to calculate differences through 100 (whole numbers) Subtracts a 2-digit number from a 2-digit number, with regrouping Uses strategies for sums and differences with 2-digit numbers (e.g., decomposing, compatible, compensation, partial sums, counting on) Subtracts 2- and/or 3-digit numbers with no regrouping Subtracts 3- or 4-digit numbers with regrouping Performs mental subtraction with numbers under 1000 Subtracts multiple-digit numbers with no regrouping 	<p>Number and Operations in Base Ten</p> <ul style="list-style-type: none"> Uses rounding to estimate answers to addition and subtraction problems (whole numbers only) Adds two 3- and/or 4-digit numbers, with regrouping, with sums over 1000 Adds multiple-digit numbers, with regrouping, with sums over 1000 Adds multiple-digit numbers with sums under 1000 Subtracts 1-digit number from a 2-digit number with regrouping Subtracts a 2-digit number from a 2-digit number, with regrouping Uses strategies for sums and differences with 2-digit numbers (e.g., decomposing, compatible, compensation, partial sums, counting on) Subtracts a 2-digit number from a 3-digit number with a single regrouping Subtracts 3- or 4-digit numbers with regrouping Performs mental subtraction with numbers under 1000 	<p>Number and Operations in Base Ten</p> <ul style="list-style-type: none"> Uses rounding to estimate answers to addition and subtraction problems (whole numbers only) Adds multiple-digit numbers, with regrouping, with sums over 1000 Adds multiple-digit numbers with sums under 1000 Performs mental computation with more than 4 addends Subtracts 3- or 4-digit numbers with regrouping Subtracts numbers with 5 digits or more with regrouping Instantly recalls basic multiplication and division facts in a table Multiplies a 2-digit number by a 1-digit number with regrouping Multiplies a 3- or 4-digit number by a 1-digit number Multiplies multiple 1-digit numbers Multiplies a 2-digit number by a 2-digit number with regrouping Multiplies a 3-digit number by a 2-digit number with regrouping Performs mental computation with multiplication

Explanatory Notes

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<p>Number and Operations in Base Ten</p> <ul style="list-style-type: none"> Multiplies a 2-digit number by a 1-digit number with regrouping Multiplies a 2-digit number by a 2-digit number with no regrouping Adds decimals to the hundredths place (same number of digits) Identifies the number that is 1 less than a given number Compares whole numbers through 9999 	<p>Number and Operations in Base Ten</p> <ul style="list-style-type: none"> Subtracts multiple-digit numbers with no regrouping Multiplies a 2- or 3-digit number by a 1-digit number with no regrouping Multiplies a 2-digit number by a 1-digit number with regrouping Multiplies a 3- or 4-digit number by a 1-digit number Multiplies a 2-digit number by a 2-digit number with no regrouping Performs mental computation with multiplication Divides a 2-digit number by a 1-digit number with no remainder Adds decimals to the hundredths place (same number of digits) Adds decimals to the hundredths place in vertical format (not same number of digits) Adds decimals to the thousandths place vertically with and without regrouping Subtracts decimals to the hundredths place (same number of digits) with regrouping Multiplies a decimal by whole number 	<p>Number and Operations in Base Ten</p> <ul style="list-style-type: none"> Multiplies a 2- or 3-digit number by multiples of 10 or 100 Multiplies a 3-digit number by a 3-digit number Divides a 2-digit number by a 1-digit number with no remainder Divides a 2-digit number or a 3-digit number by a 1-digit number with a remainder Divides a 3-digit number by a 1-digit number with no remainder Divides a 4-digit number by a 1-digit number with no remainder Divides a 3-digit number by a multiple of 10 Divides a 4-digit number by a 2-digit number Adds decimals to the thousandths place horizontally with and without regrouping Subtracts decimals to the hundredths place (same number of digits) with regrouping Multiplies a decimal by whole number Divides decimal by a whole number
<p>Number and Operations - Fractions</p> <ul style="list-style-type: none"> Represents $\frac{3}{4}$ with a diagram or model Identifies $\frac{1}{2}$ from a region or set Identifies one-half from a region or set Identifies $\frac{1}{4}$ from a region or set Identifies $\frac{2}{4}$, $\frac{3}{4}$, or $\frac{4}{4}$ from a region or set Identifies $\frac{2}{3}$ or $\frac{3}{3}$ from a region or set Identifies tenths from a region or set Identifies eighths from a region or set Identifies a fraction (denominators other than 2, 3, 4, 8, 10) from a region or set 	<p>Number and Operations - Fractions</p> <ul style="list-style-type: none"> Uses models to add and subtract fractions and connect the actions to algorithms Subtracts fractions with like denominators without reducing Solves real-world 1-step problems involving addition and subtraction of fractions with like denominators Solves real-world 1-step problems involving multiplication or division of a whole number by a fraction Represents $\frac{1}{3}$ with a diagram or model Represents fractions with denominators other than 2, 3, 4 with a diagram or model Identifies $\frac{1}{4}$ from a region or set Identifies $\frac{1}{3}$ from a region or set Identifies $\frac{2}{3}$ or $\frac{3}{3}$ from a region or set Identifies tenths from a region or set Identifies a fraction (denominators other than 2, 3, 4, 8, 10) from a region or set Identifies equivalent fractions using visual representations Matches numeric and visual representation of equivalent fractions Explains different interpretations of fractions (e.g., parts of a whole, parts of a set, and division of whole numbers by whole numbers) Writes the missing number in a proportion using basic facts 	<p>Number and Operations - Fractions</p> <ul style="list-style-type: none"> Adds fractions with like denominators without reducing Adds whole numbers and fractions Uses models to add and subtract fractions and connect the actions to algorithms Subtracts fractions with like denominators without reducing Subtracts mixed fractions with like denominators with no regrouping Solves real-world 1-step problems involving addition and subtraction of fractions with like denominators Multiplies a fraction by a fraction without reducing to simplest form (simple problem) Identifies halves of a region using nonadjacent parts Identifies equivalent fractions using visual representations Expresses 1 in many different ways (e.g., $\frac{3}{3}$, $\frac{4}{4}$) Converts a basic fractional numeral to lowest terms (e.g., halves, thirds, quarters) Writes mixed numbers as improper fractions and improper fractions as mixed numbers Compares fractions (e.g., common denominator, 1 in the numerator, denominator is 2, 3, 4, 6, 8, 10) Orders fractions on a number line Explains different interpretations of fractions (e.g., parts of a whole, parts of a set, and division of whole numbers by whole numbers) Writes a terminating decimal as a fraction or mixed number

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Number and Operations - Fractions	Number and Operations - Fractions	Number and Operations - Fractions
		<ul style="list-style-type: none"> Expresses the equivalent form of a fraction, decimal, and/or percent (simple fraction) Writes the missing number in a proportion using basic facts
<i>New Vocabulary:</i> closest, digit, hundreds, million, nearest, one, ten thousand	<i>New Vocabulary:</i> billion, hundred million, quintillion, standard numeral, trillion	<i>New Vocabulary:</i> biggest, expanded numeral
<i>New Signs and Symbols:</i> { } set notation, \$ dollar sign, - subtraction	<i>New Signs and Symbols:</i> °F degrees Fahrenheit, > greater than, < less than, long division symbol, R remainder	<i>New Signs and Symbols:</i> ¢ cent sign

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