

MA.912.A.1.In.g	Select the operation and solve two-step mathematical problems involving addition, subtraction, multiplication, and division of two- and three-digit numbers in real-world situations using problem-solving strategies, such as recognizing symbols and key info	Textbook uses this concept throughout the text, especially in Math Applications sections.	I					
MA.912.A.1.In.h	Use tools, including charts and technology, to convert standard units of measurement within the same system, such as money, length, capacity, time, and weight.	Lessons 2.1, 3.2	I					
MA.912.A.1.Pa.a	Identify and express quantity in sets to 10 using objects, pictures, symbols, or number names.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Pa.b	Recognize half and whole sets of objects to 10.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Pa.c	Demonstrate one-to-one correspondence by counting objects or actions to 10.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Pa.d	Identify a given quantity to 9 and add 1 more to solve problems.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Pa.e	Identify a given quantity to 10 and take away 1 to solve problems.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Pa.f	Identify tools used for measurement, such as clocks, calendars, rulers, or gallon containers.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Su.a	Identify equivalent forms of fractions, such as halves, thirds, and fourths; percents, such as 50%, 33%, and 25%; and decimals in the context of money, using visual and numerical representation in real-world situations.	Lessons 1.1, 2.1, 6.1	M					
MA.912.A.1.Su.b	Identify the value of numbers to 5 with the exponent 2 using physical and visual models.	Lessons 10.2, 10.3	I					
MA.912.A.1.Su.c	Compare and order whole numbers, fractions, including halves, fourths, thirds, and sixths; and decimals including .25, .50, .75, 1.00, in real-world situations.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Su.d	Simplify whole numbers to 100 using place value and grouping with visual representation.	Textbook goes beyond the scope of this standard.						
MA.912.A.1.Su.e	Use repeated addition of the same number to solve one-digit multiplication facts and repeated subtraction of the same number to solve one-digit division facts in real-world situations.	Textbook uses this concept throughout the text, especially in Math Applications sections.	I					

MA.912.A.1.Su.f	Select the operation and solve one-step mathematical problems involving addition and subtraction of one-digit and two-digit numbers in real-world situations using physical and visual representations and problem-solving strategies, such as recognizing key	Textbook uses this concept throughout the text, especially in Math Applications sections.						
MA.912.A.1.Su.g	Use tools, such as simple charts and technology, to convert standard units of measurement within the same system, such as money, length, and capacity.	Lessons 2.1, 3.2, also covered in various Math Labs						
MA.912.A.2.In.a	Organize data from real-world situations into categories, identify the labels, and display in simple bar, line, and circle graphs.	pages 429-430						
MA.912.A.2.In.b	Interpret simple bar, line, and circle graphs representing data from real-world situations.	pages 429-430						
MA.912.A.2.In.c	Identify the mathematical relationship (function) and the type of information represented in a function table or simple graph.	Lessons 4.2, 4.3, 4.4, 4.5						
MA.912.A.2.In.d	Use function tables and simple graphs to determine the mathematical relationship between two numbers representing real-world situations.	Lessons 4.2, 4.3, 4.4, 4.5						
MA.912.A.2.In.e	Use function tables and simple graphs to determine the mathematical relationship between two numbers representing real-world situations.	Lessons 4.2, 4.3, 4.4, 4.5						
MA.912.A.2.Pa.a	Count objects, pictures, or symbols used in a pictograph or chart and identify total to 10.	Textbook goes beyond the scope of this standard.						
MA.912.A.2.Pa.b	Compare sets to 10 of objects, pictures, or symbols using one-to-one correspondence and identify which has more or less.	Textbook goes beyond the scope of this standard.						
MA.912.A.2.Su.a	Organize data from real-world situations into categories, identify the labels, and display in pictographs and bar graphs.	pages 429-430						
MA.912.A.2.Su.b	Identify which categories have the largest, smallest, or the same amount in pictographs and bar graphs representing real-world situations.	Textbook goes beyond the scope of this standard.						
MA.912.A.2.Su.c	Identify number patterns and relationships using physical and visual models representing real-world situations.	Lessons 4.2, 4.3, 4.4, 4.5						

MA.912.A.3.In.a	Solve equations with one unknown (variable) involving addition, multiplication, subtraction, and division of whole numbers representing problems in real-world situations.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.3.In.b	Use the commutative, associative, and equality properties of addition as strategies to solve equations involving real-world situations.	Lessons 3.1, 3.4, 3.5						
MA.912.A.3.In.c	Use the commutative and associative property of multiplication and the properties of one and zero for multiplication as strategies to solve equations involving real-world situations.	Lessons 3.3, 3.4, 3.5						
MA.912.A.3.In.d	Solve equations involving common literal formulas related to real-world situations.	Lesson 3.4						
MA.912.A.3.In.e	Solve real-world equations and inequalities with one unknown (variable) using visual models to represent the procedure.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 9.2, 9.3, 9.4, pages 181-191, 544-553						
MA.912.A.3.In.f	Solve real-world equations and inequalities with one unknown (variable) using visual models to represent the procedure.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 9.2, 9.3, 9.4, pages 181-191, 544-553						
MA.912.A.3.In.g	Create function tables and simple graphs that show the mathematical relationship between number pairs.	Lessons 4.2, 4.3, 4.4, 4.5						
MA.912.A.3.In.h	Use function tables and simple graphs representing equations to make predictions for real-world situations.	Lessons 4.2, 4.3, 4.4, 4.5						
MA.912.A.3.Pa.a	Identify quantities to 9 or more and add 1 more in real-world situations.	Textbook goes beyond the scope of this standard.						
MA.912.A.3.Pa.b	Identify quantities to 10 or more and take 1 away in real-world situations.	Textbook goes beyond the scope of this standard.						
MA.912.A.3.Pa.c	Identify quantities to 10 as equal or unequal.	Textbook goes beyond the scope of this standard.						
MA.912.A.3.Pa.d	Sort sets of objects to 10 into groups by quantity.	Textbook goes beyond the scope of this standard.						
MA.912.A.3.Pa.e	Count objects, pictures, or symbols used in a pictograph or chart and identify which category has the largest quantity.	Textbook goes beyond the scope of this standard.						
MA.912.A.3.Su.a	Solve number sentences (equations) involving addition and subtraction of one-digit and two-digit whole numbers based on real-world situations using visual models.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.3.Su.b	Use the commutative property and the additive identity property of addition as a strategy to solve number sentences (equations).	Lessons 3.1, 3.4, 3.5						

MA.912.A.3.Su.c	Solve equations involving addition and subtraction using visual models, such as a number line, in real-world situations.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.3.Su.d	Use the concepts of equality and inequality as strategies to solve problems involving real-world situations.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 9.2, 9.3, 9.4, pages 181-191, 544-553						
MA.912.A.3.Su.e	Solve equations involving addition and subtraction using visual models, such as a number line, in real-world situations.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.3.Su.f	Identify the mathematical relationship between number pairs in function tables, such as +2 or -3.	Lessons 1.2, 4.5						
MA.912.A.3.Su.g	Use function tables and simple pictographs or bar graphs representing equations to make predictions for real-world situations.	Lessons 4.3, 4.4, 4.5						
MA.912.A.3.Su.h	Identify the mathematical relationship between number pairs in function tables, such as +2 or -3.	Lessons 1.2, 4.5						
MA.912.A.4.In.a	Simplify expressions with one unknown (variable) by identifying like terms.	Lesson 1.8						
MA.912.A.4.In.b	Solve equations with one unknown (variable) involving addition, subtraction, and multiplication.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.4.In.c	Combine like and unlike terms in number sentences representing real-world situations.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.4.In.d	Identify factors of expressions with whole numbers by dividing.	Lessons 10.2, 10.3						
MA.912.A.4.Pa.a	Identify a missing item from two or more sets.	Lesson 1.2						
MA.912.A.4.Pa.b	Recognize that joining sets of objects results in a larger quantity and separating sets of objects results in a smaller quantity.	Textbook goes beyond the scope of this standard.						
MA.912.A.4.Pa.c	Separate groups of objects to 10 into sets with the same quantity.	Textbook goes beyond the scope of this standard.						
MA.912.A.4.Su.a	Solve number sentences (equations) with one unknown involving addition and subtraction facts using physical and visual models.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.4.Su.b	Identify like and unlike terms in number sentences representing real-world situations.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191						
MA.912.A.4.Su.c	Identify factors of whole numbers by using division facts.	Lessons 10.2, 10.3						

MA.912.A.5.In.a	Use numbers to represent ratios in real-world situations.	Lesson 3.2					
MA.912.A.5.In.b	Solve problems involving ratios in real-world situations.	Lesson 3.2					
MA.912.A.5.Pa.a	Identify a simple ratio, such as 1 to 2, to solve real-world problems.	Lesson 3.2					
MA.912.A.5.Su.a	Use simple ratios represented by physical and visual models to solve real-world problems.	Lesson 3.2					
MA.912.A.6.In.a	Identify perfect squares and their factors, including 1, 4, 9, 16, 25, 49, 64, 100, and 144 using visual models.	Lesson 10.2, 10.3, 11.4					
MA.912.A.6.In.b	Use factors of perfect squares to solve problems in real-world situations.	Lesson 10.2, 10.3, 11.4					
MA.912.A.6.Pa.a	Use one-to-one correspondence to identify equal sets of objects to solve problems.	Textbook goes beyond the scope of this standard.					
MA.912.A.6.Su.a	Use physical models of perfect squares, including 1, 4, 9, 16, 25, and 100, to solve problems.	Lesson 10.2, 10.3, 11.4					
MA.912.A.7.In.a	Use information from tables and other types of visual models to plot numbers on a line graph representing real-world situations.	Lesson 7.3, pages 429-430					
MA.912.A.7.In.b	Compare quantities from real-world situations represented on a graph and explain similarities and differences.	Lessons 4.3, 4.4, 4.5, 7.3, 11.1					
MA.912.A.7.In.c	Use equations involving addition, subtraction, multiplication, and division of whole numbers to solve real-world problems.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191					
MA.912.A.7.Pa.a	Compare the number of objects, pictures, or symbols used in a three-category pictograph to identify which groups have more or less.	Textbook goes beyond the scope of this standard.					
MA.912.A.7.Pa.b	Solve problems by joining or separating quantities to 10 using objects, pictures, or symbols.	Textbook goes beyond the scope of this standard.					
MA.912.A.7.Su.a	Identify information from tables and simple line graphs representing real-world situations.	Lessons 4.2, 4.3, 4.4, 4.5					
MA.912.A.7.Su.b	Compare quantities from similar real-world situations represented on a graph.	Lessons 4.2, 4.3, 4.4, 4.5					
MA.912.A.7.Su.c	Solve number sentences (equations) using visual and physical models representing real-world situations.	Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, pages 181-191					