i-Ready Classroom Mathematics Scope and Sequence



The scope and sequence below shows the progression of specific concepts within and across domains of the Common Core State Standards (CCSS) for Grades K–8 in *i-Ready Classroom Mathematics*. As students move from elementary grades through middle school grades, the domains of the CCSS change as appropriate to the grade level, so domains of related content are grouped together accordingly. Because of the interconnectedness of mathematics content, some domains appear in multiple sections of the scope and sequence.

For each group of domains, the table lists the CCSS standard codes that address the concept described in the first column by grade. The table below lists the CCSS standard codes and lessons from *i-Ready Classroom Mathematics* (in blue) in which these standards are the focus of instruction.

Educators can use this table with *i-Ready Classroom Mathematics* to recognize the vertical alignment of standards and progression of concepts as students progress through the grades.

Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Operations & Algebraic Thinking › Expressions & Equations › Functions									
Understand addition and subtraction.	K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5 **7, 9, 10, 14, 15, 18, 19, 20, 21, 22**	1.OA.B.3 1.OA.B.4 **1, 4, 5, 7, 11**							
Represent and solve addition and subtraction problems.		1.OA.A.1 1.OA.A.2 1.OA.C.5 1.OA.C.6 1.OA.D.7 1.OA.D.8 **1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14**	2.OA.A.1 2.OA.B.2 **1, 2, 3, 5, 9, 10**						

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Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Operations & Algebraic Thinking › Expressions & Equations › Functions, *Cont'd.*									
Understand multiplication and division.			2.OA.C.3 2.OA.C.4 **31, 32**	3.OA.B.5 3.OA.B.6 **5, 6, 7, 8, 11**					
Represent and solve multiplication and division problems.				3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.C.7 **4, 5, 6, 7, 10, 12, 17**					
Use the four operations with whole numbers to solve problems.				3.OA.D.8 3.OA.D.9 **13, 18**	4.OA.A.1 4.OA.A.2 4.OA.A.3 **6, 7, 10**				
Gain familiarity with factors and multiples.					4.OA.B.4 **8**				
Generate and analyze patterns.					4.OA.C.5 **9**	5.OA.B.3 **33**			
Write and interpret numerical expressions.						5.OA.A.1 5.OA.A.2 **30**	6.EE.A.1 6.EE.A.2.A 6.EE.A.2.B 6.EE.A.2.C 6.EE.A.3 6.EE.A.4 **4, 5, 19**		
Reason about and solve equations and inequalities.							6.EE.B.5 6.EE.B.6 6.EE.B.7 6.EE.B.8 **4, 20, 21, 26**	7.EE.B.3 7.EE.B.4.A 7.EE.B.4.B **13, 14, 17, 18, 19**	
Represent and analyze quantitative relationships between dependent and independent variables.							6.EE.C.9 **22**		

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Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Operations & Algebraic Thinking › Expressions & Equations › Functions, *Cont'd.*									
Use properties of operations to generate equivalent expressions.								7.EE.A.1 7.EE.A.2 **15, 16**	
Work with radicals and integer exponents.									8.EE.A.1 8.EE..A.2 8.EE.A.3 8.EE.A.4 **19, 20, 21, 22, 23, 25**
Understand the connections between proportional relationships, lines, and linear equations.									8.EE.B.5 8.EE.B.6 **8, 9, 17**
Analyze and solve linear equations and pairs of simultaneous linear equations.									8.EE.C.7.A 8.EE.C.7.B 8.EE.C.8.A 8.EE.C.8.B 8.EE.C.8.C **10, 11, 12, 13, 14**
Define, evaluate, and compare functions.									8.F.A.1 8.F.A.2 8.F.A.3 **15, 17**
Use functions to model relationships between quantities.									8.F.B.4 8.F.B.5 **16, 18**

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Lessons are indicated in blue.

Counting & Cardinality › Numbers & Operations in Base Ten › The Number System

	K	1	2	3	4	5	6	7	8
Use number names and the count sequence to count forward by ones and tens or to count to tell the number of objects.	K.CC.A.1 K.CC.A.2 K.CC.A.3 K.CC.B.4.A K.CC.B.4.B K.CC.B.4.C K.CC.B.5 **4, 5, 11, 12, 16, 17**	1.NBT.A.1 **16**							
Compare numbers.	K.CC.C.6 K.CC.C.7 **5, 12**	1.NBT.B.3 **17**	2.NBT.A.4 **14**		4.NBT.A.2 **2**	5.NBT.A.3.B **9**	6.NS.C.7.B 6.NS.C.8 **24, 28**		
Understand place value.	K.NBT.A.1 **23, 25**	1.NBT.B.2.A 1.NBT.B.2.B 1.NBT.B.2.C **6, 15**	2.NBT.A.1.A 2.NBT.A.1.B 2.NBT.A.2 2.NBT.A.3 **12, 13, 15**		4.NBT.A.1 4.NBT.A.2 **1, 2**	5.NBT.A.1 5.NBT.A.2 5.NBT.A.3.A 5.NBT.A.4 **6, 7, 8**			
Use place value understanding and properties of operations to perform arithmetic.		1.NBT.C.4 1.NBT.C.5 1.NBT.C.6 **16, 18, 19, 20, 21**	2.NBT.B.5 2.NBT.B.6 2.NBT.B.7 2.NBT.B.8 2.NBT.B.9 **6, 7, 8, 15, 16, 17, 18, 19**	3.NBT.A.2 3.NBT.A.3 **2, 3, 9**	4.NBT.B.4 4.NBT.B.5 4.NBT.B.6 **4, 5, 11, 12, 14, 15**	5.NBT.B.5 5.NBT.B.6 5.NBT.B.7 **4, 5, 10, 11, 14, 15, 16, 17**	6.NS.B.2 6.NS.B.3 6.NS.B.4 **6, 7, 8, 19**		
Use place value understanding to round numbers.				3.NBT.A.1 **1**	4.NBT.A.3 **3**				

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Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Counting & Cardinality › Numbers & Operations in Base Ten › The Number System, *Cont'd.*									
Apply and extend previous understandings of numbers and operations to rational numbers.							6.NS.C.5 6.NS.C.6.A 6.NS.C.6.B 6.NS.C.6.C 6.NS.C.7.A 6.NS.C.7.B **23, 25, 27**	7.NS.A.1.A 7.NS.A.1.B 7.NS.A.1.C 7.NS.A.1.D 7.NS.A.2.A 7.NS.A.2.B 7.NS.A.2.C 7.NS.A.2.D 7.NS.A.3 **7, 8, 9, 10, 11, 12, 13, 14**	
Know that there are numbers that are not rational, and approximate them by rational numbers.									8.NS.A.1 8.NS.A.2 **24, 25**
Numbers & Operations › Fractions › The Number System/Ratios & Proportional Relationships									
Develop understanding of fractions.				3.NF.A.1 3.NF.A.2.A 3.NF.A.2.B **20, 21**					
Develop and extend understanding of fraction equivalence and ordering.				3.NF.A.3.A 3.NF.A.3.B 3.NF.A.3.C 3.NF.A.3.D **22, 23, 24, 25**	4.NF.A.1 4.NF.A.2 **17, 18**				

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Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Numbers & Operations › Fractions › The Number System/Ratios & Proportional Relationships, *Cont'd.*									
Build fractions from unit fractions.					4.NF.B.3.A 4.NF.B.3.B 4.NF.B.3.C 4.NF.B.3.D 4.NF.B.4.A 4.NF.B.4.B 4.NF.B.4.C **19, 20, 21, 23, 24**				
Understand decimal notation for fractions, and compare decimal fractions.					4.NF.C.5 4.NF.C.6 4.NF.C.7 **25, 26, 27**				
Add and subtract fractions.						5.NF.A.1 5.NF.A.2 **12, 13, 14**		7.NS.A.1.A 7.NS.A.1.B 7.NS.A.1.C 7.NS.A.1.D 7.NS.A.3 **8, 10, 14**	
Apply and extend previous understandings of multiplication and division to fractions.						5.NF.B.3 5.NF.B.4.A 5.NF.B.4.B 5.NF.B.5.A 5.NF.B.5.B 5.NF.B.6 5.NF.B.7.A 5.NF.B.7.B 5.NF.B.7.C **18, 19, 20, 21, 22, 23, 24**	6.NS.A.1 **9, 10**	7.NS.A.2.A 7.NS.A.2.B 7.NS.A.2.C 7.NS.A.2.D 7.NS.A.3 **12, 13, 14**	

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Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Numbers & Operations › Fractions › The Number System/Ratios & Proportional Relationships, *Cont'd.*									
Understand ratio concepts, and use ratio reasoning and proportional relationships to solve problems.							6.RP.A.1 6.RP.A.2 6.RP.A.3.A 6.RP.A.3.B 6.RP.A.3.C 6.RP.A.3.D **12, 13, 14, 15, 16, 17, 18**	7.RP.A.1 7.RP.A.2.A 7.RP.A.2.B 7.RP.A.2.C 7.RP.A.2.D 7.RP.A.3 **2, 3, 4, 5, 20, 21**	
Measurement & Data › Geometry/Statistics & Probability									
Classify objects, and count the number of objects in each category.	K.MD.B.3 **3**								
Work with measurable attributes, measurements, and estimates of informal, standard, and metric measures.	K.MD.A.1 K.MD.A.2 **2, 6**	1.MD.A.1 1.MD.A.2 **25, 26**	2.MD.A.1 2.MD.A.2 2.MD.A.3 2.MD.A.4 2.MD.B.5 2.MD.B.6 **20, 21, 22, 23, 24, 25, 26**	3.MD.A.2 **28, 29**	4.MD.A.2 **29**				
Solve problems related to converting measurements.					4.MD.A.1 4.MD.A.2 **13, 29**	5.MD.A.1 **25, 26**			
Work with time and money.		1.MD.B.3 **24**	2.MD.C.7 2.MD.C.8 **10, 11**	3.MD.A.1 **27**	4.MD.A.2 **28**				

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	K	1	2	3	4	5	6	7	8
Measurement & Data › Geometry/Statistics & Probability, *Cont'd.*									
Understand and solve problems related to area, perimeter, and circumference.				3.MD.C.5.A 3.MD.C.5.B 3.MD.C.6 3.MD.C.7.A 3.MD.C.7.B 3.MD.C.7.C 3.MD.C.7.D 3.MD.D.8 **14, 15, 16, 32**	4.MD.A.3 **16**		6.G.A.1 **1, 2**	7.G.B.4 7.G.B.6 **6, 25, 26**	
Understand and solve problems related to volume and surface area.						5.MD.C.3.A 5.MD.C.3.B 5.MD.C.4 5.MD.C.5.A 5.MD.C.5.B 5.MD.C.5.C **1, 2, 3**	6.G.A.2 6.G.A.4 **3, 11**	7.G.B.6 **25, 26**	8.G.C.9 **28**
Understand concepts of angles, and measure angles to solve problems.					4.MD.C.5.A 4.MD.C.5.B 4.MD.C.6 4.MD.C.7 **30, 31, 32**			7.G.B.5 **28**	
Represent and interpret data.		1.MD.C.4 **13**	2.MD.D.9 2.MD.D.10 **4, 27**	3.MD.B.3 3.MD.B.4 **19, 26**	4.MD.B.4 **22**	5.MD.B.2 **27**			
Develop understanding of statistical variability.							6.SP.A.1 6.SP.A.2 6.SP.A.3 **29, 30, 31, 32**		

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Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Measurement & Data › Geometry/Statistics & Probability, *Cont'd.*									
Summarize, describe, compare, and interpret data distributions.							6.SP.B.4 6.SP.B.5.A 6.SP.B.5.B 6.SP.B.5.C 6.SP.B.5.D **29, 30, 31, 32, 33**	7.SP.B.3 7.SP.B.4 **24**	8.SP.A.1 8.SP.A.2 8.SP.A.3 8.SP.A.4 **29, 30, 31, 32**
Use random sampling to draw inferences about a population.								7.SP.A.1 7.SP.A.2 **22, 23**	
Investigate chance processes, and develop, use, and evaluate probability models.								7.SP.C.5 7.SP.C.6 7.SP.C.7.A 7.SP.C.7.B 7.SP.C.8.A 7.SP.C.8.B 7.SP.C.8.C **30, 31, 32, 33**	
Geometry									
Identify and describe shapes.	K.G.A.1 K.G.A.2 K.G.A.3 **1, 6, 8, 24**								
Reason with shapes and geometric figures and their attributes.	K.G.B.4 K.G.B.5 K.G.B.6 **6, 8, 13, 24**	1.G.A.1 1.G.A.2 1.G.A.3 **22, 23**	2.G.A.1 2.G.A.2 2.G.A.3 **28, 29, 30**	3.G.A.1 3.G.A.2 **30, 31, 33**	4.G.A.1 4.G.A.2 4.G.A.3 **30, 33, 34**	5.G.B.3 5.G.B.4 **28, 29**		7.G.A.1 7.G.A.2 7.G.A.3 **1, 27, 29**	
Graph points on the coordinate plane to solve problems.						5.G.A.1 5.G.A.2 **31, 32**	6.G.A.3 **27, 28**		

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Lessons are indicated in blue.

	K	1	2	3	4	5	6	7	8
Geometry, *Cont'd.*									
Understand congruence and similarity.									8.G.A.1.A 8.G.A.1.B 8.G.A.1.C 8.G.A.2 8.G.A.3 8.G.A.4 8.G.A.5 **1, 2, 3, 4, 5, 6, 7**
Understand and apply the Pythagorean theorem.									8.G.B.6 8.G.B.7 8.G.B.8 **26, 27**

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