

Hamilton Heights School Corporation

1st Grade Math Curriculum Map

Grade Level: 1	Academic Year: 2025-26
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Math					
Unit 1 : Math Is					
Essential Questions:					
Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide Unit: 3-4 Days
1-1 Math is Mine	-blank paper -crayons or colored pencils	K.NS.1	Students identify their own and others' strengths in math	Exit Ticket on the Website	
1-2 Math is Exploring and Thinking	-counters or other counting manipulatives -six pieces of paper for each student -crayons or colored pencils	K.CA.2	Students discuss the relationships between quantities and problems while identifying solutions using can.	Exit Ticket on the Website	
1-3 Math is In My World	-counters	K.CA.2	Students use can to explain and show real-world phenomena with mathematical models.	Exit Ticket on the Website	

1-4 Math Is Explaining and Sharing	-crayons or colored pencils	K.G.2	Students explain their thinking and respond to their classroom using have.	Exit Ticket on the Website	
1-5 Math Is Finding Patterns	-20 tiles per student, 10 in one color and 10 in another color	K.CA.3	Students use can to describe strategies for finding patterns.	Exit Ticket on the Website	
1-6 Math is Ours	-blank paper	K.NS.5	Students use pronouns such as we to think about skills, behaviors, and mindsets that contribute to a productive learning environment.	Exit Ticket on the Website	

Unit 2 : Number Patterns

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide 8 Days
2-1: Counting Patterns to 100	-Number Cards 1-120	1.NS.1	Students identify patterns when counting to 100.	Exit Ticket on the Website	
2-2: Patterns on a Number Chart to 120	-Counters -Number Cards 1-120	1.NS.1	Students describe patterns on a number chart.	Exit Ticket on the Website	
2-3: Patterns on a Number	-Number Cards 1-120	1.NS.1	Students identify	Exit Ticket on the Website	

Line	-Number Chart 1-120		patterns on a number line when counting to 120.		
Math Probe: Counting by 1's			Students circle the number that comes next in a pattern when counting by 1's.	Exit Ticket on the Website Formative - Counting Assessment	
2-4: Patterns When Reading and Writing Numbers	-Number Cubes (prepared with sides labeled 1,1,2,3,4,4) -Blank Number Lines 2	1.NS.1	Students can use patterns to read and write numbers to 120.	Exit Ticket on the Website	
2-5: Patterns When Representing Objects in a Group	-counters, pennies, connecting cubes, or other small counting objects	1.NS.1	Students can count a number of objects. Students can show how many with a written numeral.	Exit Ticket on the Website	
IN Lesson: Skip Counting by 2's, 5's, and 10's				Exit Ticket on the Website Formative - Counting Assessment	
2-6: Ordinal Numbers	-Connecting Cubes -Counters	1.NS.3	Students identify positions of objects in a sequence from first through fifth.	Exit Ticket on the Website	
Unit Review Fluency Practice					
Unit 2 Assessment (2 Days)				Unit 2 Test	

Unit 3: Place Value

Essential Questions:

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide 14 Days
3-1 Numbers 11 to 19	- Connecting Cubes - Counters - Double Ten-Frames - Number Cards 1-9 and 11-19	1.NS.6 1.NS.2	Students understand that teen numbers are composed of a ten and some ones.	Exit Ticket on the Website Formative - Counting Assessment	
Math Probe Show the Value of a Digit			Students identify the value of a digit in a 2-digit number.	Exit Ticket on the Website	
3-2 Understand Tens	-Connecting Cubes -Ten-Frames	1.NS.6 1.NS.2	Students understand that ten ones can be grouped as one ten.	Exit Ticket on the Website	
3-3 Represent Tens and Ones	-Building Blocks -Connecting Cubes	1.NS.6	Students represent 2-digit numbers with some tens and some ones.	Exit Ticket on the Website Place Value Practice Sheets	
3-4 Represent 2-Digit Numbers	-Connecting Cubes -Place-Value Chart	1.NS.6	Students use place value to show 2-digit numbers.	Exit Ticket on the Website	
3-5 Represent 2-Digit numbers different ways	-Connecting Cubes -Number Cards 0-120	1.NS.6	Students can represent 2-digit numbers in	Exit Ticket on the Website	

			different ways.		
3-6 Compare Numbers	-Base-ten Blocks -Number Cards 0-120 -Number Chart 1-100	1.NS.4	Students can compare 2-digit numbers.	Exit Ticket on the Website Going Fishing	
3-7 Compare Numbers on a Number line	-Blank Number Lines	1.NS.4	Students can use number lines to compare 2-digit numbers.	Exit Ticket on the Website	
3-8 Use Symbols to Compare Numbers	-Base-ten Blocks -Index Cards -Number Cards 0-120	1.NS.4	Students compare numbers using the $>$, $<$ and $=$ symbols.	Exit Ticket on the Website Comparing Numbers 1 Comparing Numbers Cut and Paste	
Unit Review Fluency Practice					
Unit 3 Assessment (2 Days)				Summative Assessment - Website - Unit Test	
Unit 4 : Addition within 20: Facts and Strategies					
Essential Questions					
Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide 15 Days
4-1 Relate Counting to Addition	-counters -number cubes -paper bags	1.CA.1	Students use interrogative expressions with how many to show that	Exit Ticket on the Website Counting Assessment	

			addition is a more efficient way of finding a total.		
4-2 Count on to Add	-blank number cubes -counters -Number Cards 0-10 -Number Line 0-20	1.CA.1	Students use the command form of verbs to explain how to select one addend to start with and count on.	Exit Ticket on the Website	
4-3 Doubles	-connecting cubes -counters -index cards -Number Cards 0-10	1.CA.1	Students use when defining how to use doubles to add numbers within 20.	Exit Ticket on the Website	
4-4 Near Doubles	-connecting cubes -Number Cards 0-10 -Ten-Frames	1.CA.1	Students use doubles facts they know to solve near-doubles problems.	Exit Ticket on the Website	
4-5 Make a 10 to Add	-counters -Number Bond 1 -Number Cards 0-10 -Ten Frames	1.CA.1	Students use make a 10 strategy to solve addition equations within 20.	Exit Ticket on the Website	
4-6 Choose Strategies to Add	-connecting cubes, counters -Number Bond 1 -Number Line 0-20 -Ten-Frames	1.CA.1	Students choose an efficient strategy to solve an equation.	Exit Ticket on the Website Make Way for Ducklings	
4-7 Use Properties to Add	-connecting cubes	1.CA.1	Students add numbers	Exit Ticket on the Website	

	-counters -Number Line 0-20		in any order.		
Math Probe Solving Problems				Exit Ticket on the Website	
4-8 Add Three Numbers	-counters -number cubes -Number Line 0-20	1.CA.4 1.CA.1	Students explain strategies for adding three numbers.	Exit Ticket on the Website	
4-9 Find an Unknown Number in an Addition Equation	-counters -Number Bond 1 -Number Cards 0-10 -Number Cards 11-19 -Number Cards 0-20	1.CA.2	Students use different strategies to determine an unknown value in an addition equation.	Exit Ticket on the Website	
4-10 Understand the Equal Sign	-balance scales -connecting cubes -counters -Number Line 0-20	1.CA.6	Students explain the meaning of the equal sign.	Exit Ticket on the Website	
4-11 True Addition Equations	-counters -Number Line 0-20 -Ten-Frames	1.CA.6	Students determine whether an addition equation is true or false.	Exit Ticket on the Website	
Unit Review Fluency Practice					
Unit 4 Assessment (2 Days)				Summative Assessment - Website - Unit Test	

Unit 5 : Subtraction within 20: Facts and Strategies

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide 13-15
5-1 Relate Counting to Subtraction	-counters -Number Cards 11-19 -number cubes	1.CA.1	Understand (explain) that subtraction is a more efficient way of determining a difference.	Exit Ticket on the Website	
5-2 Count Back to Subtract	-Number Line 0-20 -counters -Number cards 11-19	1.CA.1	Count back on a number line to solve a subtraction equation.	Exit Ticket on the Website	
5-3 Count on to Subtract	-Number Line 0-20 -counters -Number Cards 11-19 -number cubes	1.CA.1	Start with the change number (subtrahend) and count on to the total (minuend).	Exit Ticket on the Website	
5-4 Make a 10 to Subtract	-Ten Frames	1.CA.1	Use the make	Exit Ticket on the Website	

	-counters -Number Cards 11-19 -number cubes		a 10 strategy to solve subtraction equations within 20.		
5-6 Use Addition to Subtract	-counters -Number Cards 0-10 -Number Cards 11-19 -number cubes -Number Line 0-20	1.CA.1 1.CA.2	Use addition to subtract.	Exit Ticket on the Website	
Math Probe: Showing Problem with Equations		1.CA.1 1.CA.2	Show problems with ten-frames, a number line and equations.	Exit Ticket on the Website	
5-7 Use Fact Families to Subtract	-counters -Number cards 0-10 -Number cards 11-19 -number cubes	1.CA.1	Make fact families relating the three numbers to addition and subtraction.	Exit Ticket on the Website Racing Through Rainbows	2-3 Days
5-8 Find an Unknown Number in a Subtraction Problem	-counters -Number Line 0-20	1.CA.2 1.CA.3	Use different strategies to determine an	Exit Ticket on the Website	

			unknown value in a subtraction equation.		
5-9 True Subtraction Equations	-balance scale -connecting cubes -counters -number cubes -number cards 11-19 -number line 0-20 -ten frames	1.CA.2 1.CA.3 1.CA.6	Determine whether a subtraction equation is true or false.	Exit Ticket on the Website	
Unit Review Fluency Practice					
Unit 5 Assessment (2 Days)		1.CA.1 1.CA.2 1.CA.3 1.CA.6		Unit 5 Assessment	2 Days

Unit 6 : Shapes and Solids

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
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6-1 Understand Defining Attributes of Shapes	Pattern blocks	1.G.2	Students describe defining attributes of 2-dimensional shapes using are and has.	Exit Ticket on the Website	
6-2 Understand Non-Defining Attributes	-attribute blocks -pattern blocks	1.G.2	Students use has and are to describe and draw 2-dimensional shapes given defining and non-defining attributes.	Exit Ticket on the Website	
Math Probe: 2-Dimensional Shape Sort					
6-3 Compose Shapes	-pattern blocks -tangrams	1.G.3	Students put together 2-dimensional shapes to create a composite shape.	Exit Ticket on the Website	
6-4 Build New Shapes	-pattern blocks -tangrams	1.G.3	Students create a new 2-dimensional shape from an existing composite shape.	Exit Ticket on the Website	
6-5 Understand Attributes of Solids	-geometric solids -pattern blocks -real-life solids	1.G.2	Students describe attributes that define and do not define solids.	Exit Ticket on the Website	
6-6 Build New Solids	-geometric solids	1.G.3	Students put together solids to create a composite solid shape.	Exit Ticket on the Website	

			Students create a new solid composite shape from an existing solid composite shape.		
Unit Review Fluency Practice					
Unit 6 Assessment				Summative Assessment on Website	

Unit 7 : Meanings of Addition

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
7-1	-connecting cubes -counters -double ten-frames, number cards 0-10, number line 0-20	1.CA.2	Students represent an add to situation with an equation when the two addends are known.	Exit Ticket on the Website	
7-2	-connecting cubes -counters -double ten-frames -number line 0-20	1.CA.2	Students represent an add to situation with an equation when the first or second addend is unknown.	Exit Ticket on the Website	
7-3	-connecting cubes -counters -double ten-frames	1.CA.2	Students represent a put together situation with an equation when	Exit Ticket on the Website	

	-Number bond -number cards 0-10 -number line 0-20 -part-part-whole mat		the two addends are unknown.		
7-4	-connecting cubes -counters -number line 0-20 -part-part-whole mat	1.CA.2	Students represent a put together situation with an equation when both addends are unknown or when one addend is unknown.	Exit Ticket on the Website	
Math Probe: Problems and Equations 1			Select an equation that shows the problems and explain why.		
7-5	-connecting cubes -counters -number cards 0-10 -number line 0-20	1.CA.4	Students represent an addition situation with an equation when there are three addends.	Exit Ticket on the Website	
7-6	-connecting cubes -counters -double ten-frames -number bond -number cards 0-10 -number cards 11-19 -number line 0-20 -part-part-whole mat	1.CA.2	Students represent and solve various addition problems.	Exit Ticket on the Website	
Unit Review					

Fluency Practice					
Unit 7 Assessment (2 days)				Unit 7 Test - Edited .pdf	

Unit 8 : Meanings of Subtraction

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
8-1 Represent and Solve Take From Problems	-connecting cubes -counters -Number Cards 0-10	1.CA.2	Students represent a take from situation with an equation when the difference is unknown.	Exit Ticket on the Website	
8-2 Represent and Solve More Take From Problems	-connecting cubes -counters -double ten-frames	1.CA.2	Students represent a take from situation with an equation when either the change or the total is unknown.	Exit Ticket on the Website	
8-3 Represent and Solve Take Apart Problems	-connecting cubes -counters -double ten-frames -number bond 1	1.CA.2	Students represent a take apart situation with an equation when the total is unknown.	Exit Ticket on the Website	
Math Probe: Problems and Equations 2					
8-4 Represent and Solve	-connecting cubes	1.CA.2	Students represent a	Exit Ticket on the Website	

More Take Apart Problems	-counters -number line 0-20		take apart situation with an equation when both parts are unknown.		
8-5 Solve Problems Involving Subtraction	-connecting cubes -counters -number line 0-20	1.CA.2	Students represent a take apart situation with an equation when one part is unknown.	Exit Ticket on the Website	
8-6 Solve More Problems Involving Subtraction	-connecting cubes -counters -double ten-frames	1.CA.2	Students represent and solve various subtraction problems.	Exit Ticket on the Website	
8-7 Solve Problems Involving Addition and Subtraction	-connecting cubes -counters -double ten-frames -number bond 1	1.CA.2	Students represent and solve various subtraction and addition problems.	Exit Ticket on the Website	
Unit Review Fluency Practice					
Unit 8 Assessment				Unit 8 Assessment	

Unit 9 : Addition within 100

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
9-1 Use Mental Math to	-base-ten blocks	1.NS.5	Students use mental	Exit Ticket on the Website	

Find 10 More	-number cubes		math to find 10 more of a given 2-digit number and explain their reasoning.		
Math Probe: Number Chart Parts			Determine a missing number in a number chart with only two or three numbers shown.		
9-2 Represent Adding Tens	-base-ten blocks -number cubes	1.CA.5	Students use place value to add 2-digit numbers and a multiple of 10.	Exit Ticket on the Website	
9-3 Represent Adding Tens and Ones	-base-ten blocks	1.CA.5	Students use place value and counting on to add 2-digit and 1-digit numbers, without regrouping.	Exit Ticket on the Website	
9-4 Decompose Addends to Add	-base-ten blocks -Number Cards 0-10 -number cubes	1.CA.5	Students use decomposition and place value to add 2-digit and 2-digit numbers.	Exit Ticket on the Website	
9-5 Use an Open Number Line to Add within 100	-Blank open number lines -counters	1.CA.5	Students use an open number line to add 2-digit and 2-digit numbers, without regrouping.	Exit Ticket on the Website	

9-6 Decompose to Add on an Open Number Line	-base-ten blocks	1.CA.5	Students use an open number line to add 2-digit and 1-digit numbers, with regrouping.	Exit Ticket on the Website	
9-7 Regroup to Add	-base-ten blocks	1.CA.5	Students use regrouping to add 2-digit and 1-digit numbers.	Exit Ticket on the Website	
9-8 Add 2-Digit Numbers	-base-ten blocks	1.CA.5	Students use regrouping to add 2-digit and 2-digit numbers.	Exit Ticket on the Website	
Unit Review Fluency Practice					
Unit Assessment				Unit 9 Assessment	

Unit 10 : Compare Using Addition and Subtraction

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide 8 days
10-1 Represent and Solve Compare Problems	-Connecting cubes -Counters -Double ten-frames -Number line 0-20	I.CA.2	Students represent and solve a compare situation when the difference is unknown.	Exit Ticket on Website	

10-2 Represent and Solve Compare Problems Using Addition	-Connecting cubes -Counters -Double ten-frames -Number line 0-20	1.CA.2	Students represent and solve a compare situation when the greater quantity is unknown	Exit Ticket on Website	
Math Probe: Showing Addition and Subtraction					
10-3 Represent and Solve Compare Problems Using Addition	-connecting cubes -counters -double ten frame -number line 0-20	1.CA.2	Students represent and solve a compare situation when the lesser quantity is unknown	Exit Ticket on the Website	
10-4 Solve Compare Problems Using Addition and Subtractions	-connecting cubes -counters -double ten-frames -number 0-20	1.CA.2	Students represent and solve various compare problems.	Exit Ticket on the Website	
Unit Review Fluency Practice					
Unit Assessment				Unit 10 Assessment Also a grade for related facts	

Unit 11 : Subtraction within 100

Essential Questions

Lessons	Specific Resources	Indiana	Objectives	Specific Assessments	Pacing Guide
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		Standards			
11-1	-counters -Number Cards 0-120 -Number Chart 1-100	1.NS.5	Students use mental math to find 10 less than a given 2-digit number and explain their reasoning,	Exit Tickets on the Website	
11-2	-base 10 blocks -Tens cards	1.NS.5	Students use place value to subtract a multiple of 10 from larger multiples of 10.	Exit Tickets on the Website	
11-3	-Blank open number lines -Number Chart 1-100 -Tens Cords	1.NS.5	Students use a number chart and an open number line to subtract a multiple of 10 from a larger multiple of 10.	Exit Tickets on the Website	
11-4	-Number Bond 1 -Number Chart 1-100	1.NS.5	Students use a known addition equation to find the difference of a multiple of 10 from larger multiples of 10 and explain their reasoning.	Exit Tickets on the Website	
Math Probe: Showing Problems with Tens	-base ten blocks		Use a number chart or base-ten blocks to determine solutions to word problems.		
11-5	-base ten blocks	1.NS.5	Students use both	Exit Tickets on the Website	

	-Blank open number lines -Number bond 1 -Number Chart 1-100 -Tens Cards		present and past tense verbs to explain the strategies they used to subtract multiples of 10.		
Unit Review Fluency Practice					
Unit Assessment				Unit 11 Assessment	

Unit 12 : Measurement and Data

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide 16 days
12-1 Compare and Order Lengths	-assorted objects	1.M.1	Students compare and order objects by length.	Exit Tickets on the Website	
12-2 More Ways to Compare Lengths	-assorted objects (school supplies)	1.M.1	Students compare the lengths of 2 objects by comparing them to a third object.	Exit Tickets on the Website	
12-3 Strategies to Measure Lengths	-connecting cubes -counters -paper clips -school supplies	1.M.1	Students determine the length of an object using same-size length units.	Exit Tickets on the Website	

Math Probe: How Long is the Rope?					
12-4 More Strategies to Measure Lengths	-connecting cubes -large paper clips	1.M.1	Students determine the length of an object using two different sized units and compare the number of units.	Measurement Assessment	
12-5 Tell Time to the Hour	-brad clips -cardstock paper (2 colors) -paper plates -student clocks -clocks -number cards 0-10, - number cards 11-19	1.M.2	Students determine the length of an object using two different sized units and compare the number of units.	Exit Tickets on the Website	
12-6 Tell Time to the Half Hour	-clocks -number cards 0-10 -number cards 11-19	1.M.2	Students tell time using analog and digital clocks and write time to the half hour.	Time Assessment	
12-7 Organize Data	-various classroom objects	1.DA.1	Students use by to describe the ways items are grouped into categories.	Exit Tickets on the Website	
12-8 Represent Data	-brown paper bags -connecting cubes -counters -Tally Chart 2	1.DA.1	Students organize data using a tally chart to record the total number of objects in	Exit Tickets on the Website	

	-unit cubes		each category		
12-9 Interpret Data	-brown paper bags -connecting cubes -counters -Tally Chart 2 -unit cubes	1.DA.1	Students organize data using a tally chart and interpret data by answering “how many?” questions.	Exit Tickets on the Website	
12-10 Solving Problems Involving Data	-brown paper bags -connecting cubes -counters -Tally Chart 2 -unit cubes	1.DA.1	Students solve problems involving comparisons by interpreting data.	Graphing Assessment	
12-11 Identify Values of Coins	-coins -index cards	1.M.3	Students identify the value of coins.	Exit Tickets on the Website	
12-12 Determine the Value of a Set of Coins	-coins -one-dollar bills	1.M.3	Students find the value of a set of coins.	Exit Tickets on the Website	
IN Lessons: Compare Weight, Compare Capacity, and Compare Temperature					
Unit Review Fluency Practice					
Unit Assessment				Summative Assessment on the Website	

Unit 13 : Equal Shares

Essential Questions

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
13-1	-Pattern Blocks 3	1.G.4	Students identify equal shares of circles, rectangles, and squares.	Exit Tickets on Website	
13-2	-Pattern Blocks 3	1.G.4	Students partition circles, rectangles, and squares into 2 shares and identify the shares as halves or half of.	Exit Tickets on Website	
13-3	-Pattern Blocks 3	1.G.4	Students partition circles, rectangles, and squares into 4 shares and identify the shares as fourths, fourth of, or quarter of.	Exit Tickets on Website	
Math Probe Partitioning Into Fourths			Decide if each notebook has been partitioned into fourths.		
13-4 Describe the Whole	-Pattern Blocks 3	1.G.4	Students count the number of shares in an equally partitioned shape and describe the	Exit Tickets on Website	

			whole as two of, or four of the shares.		
13-5 Describe Halves and Fourths of Shapes	-Pattern Blocks	1.G.4	Students partition identical shapes into halves and fourths to understand that more equal shares create smaller shares.	Exit Ticket on Website	
Unit Review Fluency Practice					
Unit Assessment				Unit 13 Assessment.pdf	