bridges in mathematics

GRADE K

Bridges in Mathematics & Number Corner Third Edition

CORRELATIONS

Oklahoma Standards for Mathematics

number corner

K 1. Mathematical Actions & Processes

Standard	Descriptor	Citations	
MAP Mathematical Actions & Processes			
MAP.1	Develop a deep and flexible conceptual understanding.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S4, M1–S5 Unit 3: M2–S1; M3–S1 Unit 4: M1–S1 Unit 6: M3–S5 Unit 7: M3–S5 Unit 8: M1–S4; M2–S4; M3–S3	**Number Corner** Teachers Guide: September: Calendar Collector, Number Path October: Calendar Collector November: Calendar Collector March: Calendar Collector April: Calendar Collector
MAP.2	Develop accurate and appropriate procedural fluency.	**Bridges in Mathematics** Teachers Guide: Unit 2: M1–S1 Unit 3: M1–S2, M1–S3; M2–S2; M3–S1, M3–S2, M3–S3, M3–S5 Unit 4: M2–S1, M2–S3, M2–S5 Unit 8: M4–S4, M4–S5	**Number Corner** Teachers Guide: September: Computational Fluency November: Computational Fluency January: Computational Fluency
MAP.3	Develop strategies for problem-solving.	**Bridges in Mathematics** Teachers Guide: Unit 2: M2–S1, M2–S2; M4–S3, M4–S4 Unit 3: M1–S3; M3–S5 Unit 4: M2–S2; M3–S3 Unit 5: M3–S3 Unit 6: M3–S1; M4–S1, M4–S4 Unit 7: M3–S1, M3–S2, M3–S3	**Number Corner** Teachers Guide: March: Calendar Grid, Computational Fluency April: Computational Fluency May: Calendar Grid
MAP.4	Develop mathematical reasoning.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S5 Unit 2: M1–S2; M2–S3 Unit 5: M4–S1, M4–S2, M4–S3, M4–S4 Unit 6: M1–S2, M1–S3	**Number Corner** Teachers Guide: October: Calendar Collector November: Days in School March: Calendar Grid

Standard	Descriptor	Citations	
MAP Mathematical Actions & Processes			
MAP.5	Develop a productive mathematical disposition.	**Bridges in Mathematics** Teachers Guide: Unit 1: M2–S1; M3–S2 Unit 2: M2–S3; M3–S1 Unit 4: M1–S1 Unit 5: M1–S3; M2–S1; M3–S2; M4–S5 Unit 6: M1–S5 Unit 7: M4–S1 Unit 8: M2–S2	**Number Corner** Teachers Guide: September: Computational Fluency April: Calendar Grid May: Computational Fluency
MAP.6	Develop the ability to make conjectures, model, and generalize.	**Bridges in Mathematics** Teachers Guide: Unit 2: M2–S4; M3–S4; M4–S2 Unit 3: M2–S3 Unit 4: M4–S2, M4–S4 Unit 7: M2–S3, M2–S4 Unit 8: M1–S2, M1–S3; M2–S2, M2–S3; M3–S1, M3–S2	**Number Corner** Teachers Guide: October: Number Path February: Calendar Collector April: Number Path May: Calendar Collector
MAP.7	Develop the ability to communicate mathematically.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S2, M1–S3; M2–S2: M4–S3 Unit 2: M1–S1: M3–S2 Unit 5: M1–S1, M1–S4 Unit 6: M2–S1, M2–S2 Unit 7: M1–S1; M4–S4 Unit 8: M1–S1	**Number Corner** Teachers Guide: September: Calendar Grid February: Calendar Grid

K 2. Numbers & Operations

Standard	Descriptor	Citations	
K.N.1 Understand the relationship between quantities and whole numbers.			
K.N.1.1	Count aloud forward in sequence to 100 by 1s and 10s.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S1, M1–S2, M1–S4 Unit 4: M1–S3 Unit 5: M2–S4; M3–S1 Unit 7: M4–S1, M4–S4, M4–S5	**Number Corner** Teachers Guide: December: Number Path, Days in School February: Days in School March: Days in School April: Days in School May: Number Path, Days in School
K.N.1.2	Recognize that a number can be used to represent how many objects are in a set up to 10.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S1, M1–S2, M1–S3, M1–S4; M2–S1, M2–S4; M3–S2, M3–S3 Unit 2: M1–S3, M1–S4, M1–S5; M2–S1, M2–S2, M2–S3; M3–S1, M3–S2, M3–S3	**Number Corner** Teachers Guide: September: Days in School, Number Path
K.N.1.3	Use ordinal numbers to represent the position of an object in a sequence up to 10.	**Bridges in Mathematics** Teachers Guide: Unit 3: M2–S1; M3–S4; M4–S2	**Number Corner** Teachers Guide: January: Calendar Collector
K.N.1.4	Recognize without counting (subitize) the quantity of a small group of objects in organized and random arrangements up to 10.	**Bridges in Mathematics** Teachers Guide: Unit 1: M2–S2, M2–S3, M2–S5 Unit 2: M1–S1; M2–S3; M3–S5 Unit 3: M4–S1, M4–S3, M4–S4	**Number Corner** Teachers Guide: September: Computational Fluency December: Computational Fluency
K.N.1.5	Count forward, with and without objects, from any given number up to 20.	**Bridges in Mathematics** Teachers Guide: Unit 1: M3–S1 Unit 3: M3–S2; M4–S2, M4–S5 Unit 4: M1–S1, M1–S2, M1–S3, M1–S4	**Number Corner** Teachers Guide: November: Number Path January: Number Path February: Number Path

Standard	Descriptor	Citations	
K.N.1 Understand the relationship between quantities and whole numbers.			
K.N.1.6	Read, write, discuss, and represent whole numbers from 0 to at least 20. Representations may include numerals, pictures, real-object and pictographs, spoken words, and manipulatives.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S3; M2–S4, M2–S5; M3–S3, M3–S6 Unit 2: M1–S3 Unit 5: M1–S3 Unit 6: M3–S1, M3–S2, M3–S4 Unit 7: M1–S5; M2–S1, M2–S2; M4–S2 Unit 8: M1–S5	**Number Corner** Teachers Guide: September: Number Path October: Number Path February: Number Path
K.N.1.7	Find a number that is 1 more or 1 less than a given number up to 10.	**Bridges in Mathematics** Teachers Guide: Unit 3: M2–S2, M2–S3, M2–S4, M2–S5 Unit 4: M1–S3, M1–S4	**Number Corner** Teachers Guide: October: Computational Fluency November: Number Path, Computational Fluency
K.N.1.8	Compare and order whole numbers from 0 to 10 with and without objects, using the vocabulary “more than,” “less than,” or “equal to.”	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S3, M1–S4, M1–S5 Unit 2: M1–S4, M1–S5; M3–S6 Unit 4: M1–S5 Unit 5: M1–S2 Unit 6: M3–S3 Unit 7: M2–S5; M4–S3	**Number Corner** Teachers Guide: October: Calendar Collector January: Calendar Collector

Standard	Descriptor	Citations	
K.N.2 Develop conceptual understanding with addition and subtraction (up to 10) using objects and pictures.			
K.N.2.1	Compose and decompose numbers up to 10 using objects and pictures.	**Bridges in Mathematics** Teachers Guide: Unit 1: M3–S4, M3–S5 Unit 2: M1–S1, M1–S3; M2–S5 Unit 3: M1–S4, M1–S5 Unit 6: M4–S2, M4–S3, M4–S5 Unit 7: M3–S4 Unit 8: M2–S5; M4–S1, M4–S2, M4–S3	**Number Corner** Teachers Guide: October: Computational Fluency November: Computational Fluency December: Computational Fluency February: Computational Fluency

Standard	Descriptor	Citations	
K.N.3 Understand the relationship between whole numbers and fractions through fair share.			
K.N.3.1	Distribute a set of objects into at least two smaller equal sets.	**Bridges in Mathematics** Teachers Guide: Unit 3: M1–S1, M1–S2, M1–S3, M1–S4	**Number Corner** Teachers Guide: December: Calendar Grid

Standard	Descriptor	Citations	
K.N.4 Identify coins by name.			
K.N.4.1	Identify pennies, nickels, dimes, and quarters by name.	*Students identify pennies and nickels by name, but not dimes and quarters.*	
		Bridges in Mathematics Teachers Guide: Unit 4: M4–S1, M4–S2, M4–S3, M4–S4, M4–S5	**Number Corner** Teachers Guide: February: Calendar Collector

K 3. Algebraic Reasoning & Algebra

Standard	Descriptor	Citations	
K.A.1 Duplicate patterns in a variety of contexts.			
K.A.1.1	Sort and group up to 10 objects into a set based upon characteristics such as color, size, and shape. Explain verbally what the objects have in common.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S1, M1–S2, M1–S3, M1–S4 Unit 5: M1–S2; M2–S2, M2–S3; M3–S2 Unit 6: M1–S1, M1–S5 Unit 8: M3–S4	**Number Corner** Teachers Guide: January: Calendar Collector
K.A.1.2	Recognize, duplicate, complete, and extend repeating, increasing, and decreasing patterns in a variety of contexts (i.e., shape, color, size, objects, sounds, movement).	**Bridges in Mathematics** Teachers Guide: Unit 1: M4–S1, M4–S2, M4–S3, M4–S4 Unit 2: M4–S1, M4–S3 Unit 4: M1–S2; M2–S4 Unit 5: M2–S4	**Number Corner** Teachers Guide: September: Calendar Grid October: Calendar Grid November: Calendar Grid December: Calendar Grid January: Calendar Grid February: Calendar Grid March: Calendar Grid April: Calendar Grid May: Calendar Grid

K 4. Geometry & Measurement

Standard	Descriptor	Citations	
K.GM.1 Recognize and sort basic two-dimensional shapes; use two-dimensional and three-dimensional shapes to represent real-world objects.			
K.GM.1.1	Recognize squares, circles, triangles, and rectangles.	**Bridges in Mathematics** Teachers Guide: Unit 2: M4–S3, M4–S4 Unit 5: M2–S1, M2–S2, M2–S3, M2–S4; M4–S2, M4–S3, M4–S5 Unit 6: M2–S1	**Number Corner** Teachers Guide: September: Calendar Grid April: Calendar Grid
K.GM.1.2	Sort two-dimensional objects using characteristics such as shape and size.	**Bridges in Mathematics** Teachers Guide: Unit 5: M1–S1, M1–S2; M2–S1, M2–S2, M2–S3, M2–S4; M4–S3	**Number Corner** Teachers Guide: September: Calendar Grid
K.GM.1.3	Identify attributes of two-dimensional shapes using informal and formal geometric language interchangeably, such as the number of corners/vertices and the number of sides/edges.	**Bridges in Mathematics** Teachers Guide: Unit 5: M1–S1, M1–S2; M2–S1, M2–S2, M2–S3, M2–S4, M2–S5; M4–S2, M4–S3	**Number Corner** Teachers Guide: September: Calendar Grid
K.MG.1.4	Use smaller two-dimensional shapes to fill in the outline of a larger two-dimensional shape.	**Bridges in Mathematics** Teachers Guide: Unit 5: M3–S2, M3–S3, M3–S4; M4–S4, M4–S5	
K.GM.1.5	Compose larger, undefined shapes and structures using three-dimensional objects.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S2 Unit 6: M1–S4; M2–S1, M2–S3	**Number Corner** Teachers Guide: April: Calendar Grid
K.GM.1.6	Use basic shapes and spatial reasoning to represent objects in the real world.	**Bridges in Mathematics** Teachers Guide: Unit 5: M1–S1; M1–S2; M2–S3; M3–S2, M3–S3 Unit 6: M1–S1, M1–S2; M2–S4, M2–S5	**Number Corner** Teachers Guide: September: Calendar Grid April: Calendar Grid

Standard	Descriptor	Citations	
K.GM.2 Compare and order objects according to location and measurable attributes.			
K.GM.2.1	Use words to compare objects according to length, size, weight, position, and location.	**Bridges in Mathematics** Teachers Guide: Unit 4: M3–S1, M3–S2, M3–S3, M3–S4 Unit 5: M1–S1 Unit 6: M1–S1, M1–S2, M1–S3 Unit 7: M1–S1, M1–S3 Unit 8: M2–S1	**Number Corner** Teachers Guide: October: Calendar Grid November: Calendar Grid April: Calendar Grid
K.GM.2.2	Order up to 6 objects using measurable attributes, such as length and weight.	**Bridges in Mathematics** Teachers Guide: Unit 4: M3–S1, M3–S2, M3–S4, M3–S5 Unit 6: M1–S5	**Number Corner** Teachers Guide: January: Calendar Collector
K.GM.2.3	Identify more than one shared attribute between objects, and sort objects into sets.	**Bridges in Mathematics** Teachers Guide: Unit 5: M2–S1, M2–S2, M2–S3, M2–S4; M4–S2, M4–S3	**Number Corner** Teachers Guide: September: Calendar Grid December: Calendar Collector
K.GM.2.4	Compare the number of objects needed to fill two different containers.	*This standard is beyond the scope of the kindergarten curriculum.*	

Standard	Descriptor	Citations
K.GM.3 Tell time as it relates to daily life.		
K.GM.3.1	Develop an awareness of simple time concepts within daily life, using age-appropriate vocabulary (e.g., yesterday, today, tomorrow, morning, afternoon, night).	**Number Corner** Teachers Guide: September: Calendar Grid, Days in School October: Calendar Grid, Days in School November: Calendar Grid, Days in School December: Calendar Grid, Days in School January: Calendar Grid, Days in School February: Calendar Grid, Days in School March: Calendar Grid, Days in School April: Calendar Grid, Days in School May: Calendar Grid, Days in School

K 5. Data & Probability

Standard	Descriptor	Citations	
K.D.1 Collect, organize, and interpret categorical data.			
K.D.1.1	Collect and organize information about objects and events in the environment.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S3, M1–S4, M1–S5 Unit 2: M3–S3, M3–S4 Unit 5: M1–S2; M2–S2 Unit 7: M1–S2, M1–S4 Unit 8: M3–S4, M3–S5	**Number Corner** Teachers Guide: January: Calendar Collector March: Calendar Collector
K.D.1.2	Use categorical data to create real-object graphs and pictographs.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S3, M1–S4, M1–S5 Unit 2: M3–S3, M3–S4 Unit 5: M1–S2; M2–S2 Unit 8: M3–S5	**Number Corner** Teachers Guide: January: Calendar Collector March: Calendar Collector
K.D.1.3	Draw conclusions from real-object graphs and pictographs.	**Bridges in Mathematics** Teachers Guide: Unit 1: M1–S3, M1–S4, M1–S5 Unit 2: M3–S3, M3–S4 Unit 5: M1–S2; M2–S2 Unit 8: M3–S5	**Number Corner** Teachers Guide: January: Calendar Collector March: Calendar Collector