bridges in mathematics

GRADE K

Bridges & Number Corner Third Edition

CORRELATIONS

Indiana Academic Standards for Mathematics

number corner

K PS — Mathematics Process Standards

Standard	Descriptor	Citations	
Mathematics Process Standards			
PS.1	Make sense of problems and persevere in solving them.	**Bridges in Mathematics** Unit 1: M1 S4 Unit 2: M4 S3; M4 S4 Unit 3: M1 S3; M3 S2; M3 S5 Unit 4: M3 S1; M3 S2; M3 S3 Unit 5: M2 S5; M3 S3; M4 S2 Unit 6: M1 S1; M3 S1 Unit 7: M3 S1 Unit 8: M1 S2	**Number Corner** October: Days in School March: Calendar Grid April: Computational Fluency May: Calendar Grid
PS.2	Reason abstractly and quantitatively.	**Bridges in Mathematics** Unit 1: M1 S5; M4 S4 Unit 3: M2 S1; M3 S1; M4 S1 Unit 4: M1 S1 Unit 5: M1 S2 Unit 6: M2 S5; M3 S1; M4 S1 Unit 7: M1 S4; M2 S1; M3 S4; M4 S1 Unit 8: M1 S4; M2 S5; M3 S1; M4 S1	**Number Corner** September: Calendar Collector October: Calendar Collector November: Calendar Collector, Computational Fluency December: Calendar Collector January: Calendar Collector, Computational Fluency February: Calendar Collector March: Calendar Collector April: Calendar Collector May: Calendar Collector
PS.3	Construct viable arguments and critique the reasoning of others.	**Bridges in Mathematics** Unit 1: M1 S5 Unit 2: M1 S2; M2 S3; M3 S4 Unit 5: M4 S2; M4 S3 Unit 6: M1 S2; M1 S3	**Number Corner** October: Calendar Collector November: Days in School February: Number Path March: Calendar Grid
PS.4	Model with mathematics.	**Bridges in Mathematics** Unit 3: M1 S1; M2 S2; M3 S2 Unit 6: M3 S3 Unit 8: M1 S2; M2 S1; M3 S4; M4 S1	**Number Corner** September: Days in School December: Calendar Grid January: Calendar Grid February: Computational Fluency March: Computational Fluency May: Calendar Collector

Standard	Descriptor	Citations	
Mathematics Process Standards			
PS.5	Use appropriate tools strategically.	**Bridges in Mathematics** Unit 2: M2 S1; M2 S2; M2 S4 Unit 3: M2 S2 Unit 4: M2 S5 Unit 7: M1 S2; M3 S2 Unit 8: M2 S4	**Number Corner** April: Computational Fluency May: Calendar Grid
PS.6	Attend to precision.	**Bridges in Mathematics** Unit 1: M1 S2; M2 S6; M4 S3 Unit 2: M1 S5; M3 S1; M4 S1 Unit 3: M3 S3 Unit 4: M2 S3; M3 S1 Unit 5: M1 S1; M2 S1; M4 S4 Unit 6: M1 S1; M2 S1 Unit 7: M1 S1; M2 S2 Unit 8: M1 S1; M2 S1; M4 S4	**Number Corner** October: Calendar Grid February: Calendar Grid, Number Path April: Number Path
PS.7	Look for and make use of structure.	**Bridges in Mathematics** Unit 1: M2 S1; M3 S2; M4 S4 Unit 2: M1 S3; M2 S3; M3 S1; M4 S2 Unit 3: M1 S4; M2 S1; M3 S4; M4 S1 Unit 4: M1 S1; M2 S3; M4 S5 Unit 5: M1 S3; M2 S1; M4 S1 Unit 6: M1 S5; M2 S3; M3 S5; M4 S2 Unit 7: M1 S2; M2 S3; M4 S1 Unit 8: M2 S2	**Number Corner** September: Calendar Grid, Number Path, Computational Fluency October: Calendar Grid, Number Path, Days in School November: Calendar Grid, Number Path, Days in School December: Calendar Collector, Days in School January: Calendar Grid, Number Path February: Number Path, Days in School March: Number Path, Days in School April: Calendar Grid May: Computational Fluency, Number Path
PS.8	Look for and express regularity in repeated reasoning.	**Bridges in Mathematics** Unit 2: M3 S4; M4 S2 Unit 3: M2 S3; M4 S4 Unit 4: M4 S2; M4 S4 Unit 5: M2 S2 Unit 6: M1 S2; M3 S4 Unit 8: M1 S3; M2 S3; M3 S2	**Number Corner** September: Computational Fluency October: Number Path, Computational Fluency November: Calendar Grid, Computational Fluency December: Number Path, Computational Fluency January: Number Path, Computational Fluency February: Calendar Collector, Days in School March: Number Path, Days in School April: Days in School

K.NS — Number Sense

Standard	Descriptor	Citations	
Number Sense			
K.NS.1	Count to at least 100 by ones and tens. Count by one from any given number. (E)	**Bridges in Mathematics** Unit 1: M1 S1; M1 S2 Unit 2: M3 S2 Unit 3: M3 S2; M3 S4; M4 S5 Unit 4: M1 S3; M3 S2: M4 S3; M4 S5 Unit 5: M3 S1 Unit 6: M1 S3; M2 S4 Unit 7: M4 S4; M4 S5	**Number Corner** September: Days in School October: Days in School November: Number Path, Days in School December: Calendar Collector, Number Path, Days in School January: Days in School February: Days in School March: Days in School April: Days in School May: Number Path, Days in School
K.NS.2	Write whole numbers from 0 to 20 and identify number words from 0 to 10. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).	**Bridges in Mathematics** Unit 1: M2 S4; M2 S5; M3 S3; M3 S6 Unit 5: M1 S3 Unit 6: M3 S1; M3 S2; M3 S4 Unit 7: M4 S1	**Number Corner** September: Number Path October: Number Path

Standard	Descriptor	Citations	
Number Sense			
K.NS.3	Say the number names in standard order when counting objects, pairing each object with one and only one number name and each number name with one and only one object. Understand that the last number name said describes the number of objects counted and that the number of objects is the same regardless of their arrangement or the order in which they were counted. Count out the number of objects, given a number from 1 to 20. (E)	**Bridges in Mathematics** Unit 1: M1 S3; M1 S4; M1 S5; M3 S1 Unit 2: M1 S1 Unit 3: M3 S3; M4 S2 Unit 5: M1 S3 Unit 7: M2 S1	**Number Corner** September: Calendar Collector November: Calendar Collector January: Computational Fluency February: Calendar Grid March: Calendar Grid
K.NS.4	Identify sets of 1 to 10 objects in patterned arrangements and tell how many without counting. (E)	**Bridges in Mathematics** 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** September: Computational Fluency December: Computational Fluency
K.NS.5	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group (e.g., by using matching and counting strategies).	**Bridges in Mathematics** Unit 1: M1 S3; M1 S4; M1 S5 Unit 2: M1 S4; M1 S5; M3 S6 Unit 4: M4 S1 Unit 5: M1 S2; M1 S5 Unit 6: M1 S1 Unit 8: M3 S4	**Number Corner** October: Calendar Collector January: Calendar Collector February: Calendar Grid May: Calendar Collector

Standard	Descriptor	Citations	
Number Sense			
K.NS.6	Compare the values of two numbers from 1 to 20 presented as written numerals.	**Bridges in Mathematics** Unit 1: M1 S3; M1 S4; M1 S5 Unit 4: M1 S4; M1 S5 Unit 6: M3 S3 Unit 7: M2 S5; M4 S3	**Number Corner** January: Number Path March: Number Path
K.NS.7	Define and model a “ten” as a group of ten ones. Model equivalent forms of whole numbers from 10 to 20 as groups of tens and ones using objects and drawings. (E)	**Bridges in Mathematics** Unit 6: M3 S1; M3 S2; M3 S4 Unit 7: M1 S5; M2 S2; M2 S3; M2 S4; M4 S2 Unit 8: M1 S5; M2 S3; M2 S4; M3 S1	**Number Corner** January: Calendar Collector February: Number Path

K.CA — Computation and Algebraic Thinking

Standard	Descriptor	Citations	
Computation and Algebraic Thinking			
K.CA.1	Solve real-world problems that involve addition and subtraction within 10 using modeling with objects or drawings. (E)	**Bridges in Mathematics** Unit 3: M1 S3; M2 S2; M2 S4; M2 S5; M3 S2 Unit 4: M2 S1; M2 S2; M2 S5 Unit 6: M2 S5; M4 S1; M4 S4 Unit 7: M3 S1; M3 S2; M3 S3	**Number Corner** February: Calendar Collector March: Computational Fluency April: Computational Fluency
K.CA.2	Use objects or drawings to model the decomposition of numbers less than 10 into pairs in more than one way. Identify corresponding equations. (E)	**Bridges in Mathematics** 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 8: M2 S5; M4 S1; M4 S2; M4 S3	**Number Corner** October: Computational Fluency November: Computational Fluency December: Computational Fluency
K.CA.3	Find the number that makes 10 when added to the given number for any number from 1 to 9 (e.g., by using objects or drawings), and record the answer with a drawing or an equation. (E)	**Bridges in Mathematics** Unit 3: M3 S5 Unit 7: M3 S2; M3 S4 Unit 8: M2 S5; M4 S1	**Number Corner** October: Days in School November: Days in School January: Days in School February: Computational Fluency March: Calendar Grid
K.CA.4	Create, extend, and give an appropriate rule for simple repeating and growing patterns with numbers and shapes.	**Bridges in Mathematics** 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** 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.G — Geometry

Standard	Descriptor	Citations	
Geometry			
K.G.1	Compare two- and three-dimensional shapes in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners"), and other attributes (e.g., having sides of equal length).	**Bridges in Mathematics** Unit 5: M1 S1; M1 S4; M2 S1; M2 S2; M2 S3; M2 S5; M3 S4; M4 S1; M4 S4 Unit 6: M1 S1; M1 S2; M1 S5; M2 S2; M2 S3; M2 S4	**Number Corner** September: Calendar Grid

K.M — Measurement

Standard	Descriptor	Citations	
Measurement			
K.M.1	Make direct comparisons of the length, capacity, weight, and temperature of objects, and identify which object is shorter, longer, taller, lighter, heavier, warmer, cooler, or holds more. (E)	**Bridges in Mathematics** Unit 4: M3 S1; M3 S2; M3 S3; M3 S4 Unit 6: M1 S1; M1 S2; M1 S3; M1 S4 Unit 7: M1 S4 Unit 8: M2 S1	**Number Corner** October: Calendar Collector January: Calendar Collector
K.M.2	Identify and use appropriate terms to describe intervals of time including: morning, afternoon, evening, today, yesterday, tomorrow, day, week, month, and year; describe how calendars and clocks are tools to measure time.	**Number Corner** 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.DA — Data Analysis

Standard	Descriptor	Citations	
Data Analysis			
K.DA.1	With guidance, collect and organize data into simple bar graphs, pictographs, and/or tables to identify patterns and make comparisons. (E)	**Bridges in Mathematics** 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** January: Calendar Collector March: Calendar Collector