

Bridges Grade 3 Correlations to Oklahoma Mathematics Standards

MATHEMATICS CONTENT STANDARD 1: ALGEBRAIC REASONING – PATTERNS AND RELATIONSHIPS

The student will use a variety of problem-solving approaches to extend and create patterns

Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1. Describe (orally or in written form), create, extend and predict patterns in a variety of situations.	Unit 1, Sessions 4, 7, 9 Unit 1, pages 86–87 (WP 1B) Unit 2, Sessions 1–3, 5, 6, 9, 10 Unit 2, page 284 (HC 7) Unit 4, Sessions 2, 6, 10, 15, 18–20 Unit 5, Sessions 7, 8 Unit 7, Session 8	September Numbers Grid September Magnetic Board October–April Calendar Grid December Numbers Grid February Numbers Grid Number Corner Student Book pages 6, 14, 27, 42	Bridges Practice Book, pages 6, 31, 35, 61, 68	Informal Number Corner Student Book, pages 6, 14, 27, 42 Bridges Practice Book, pages 24, 35, 61, 68
				Formal Unit 4, pages 441-444, 562-569 (Pre- and Post Assessment)
2. Find unknowns in simple arithmetic problems by solving open sentences (equations) and other problems involving addition, subtraction, and multiplication.	Unit 1, Sessions 4, 7 Unit 4, Session 2 Unit 5, Sessions 7, 8	March Computational Fluency May Computational Fluency	Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1 & 2 Set A2 Number & Operations: Basic Multiplication and Division, Independent Worksheet 4 Bridges Practice Book, pages 7, 14, 24, 39, 64, 67, 69, 75, 76, 77, 83, 92, 101, 107, 111, 113, 137	Informal Bridges Practice Book, pages 7, 111, 113, 137
				Formal Number Corner Teacher’s Guide, pages 200–202 (Checkup 2)
3. Recognize and apply the commutative and identity properties of multiplication using models and manipulatives to develop computational skills.	Unit 4, Sessions 5, 6, 8, 18, 19, 21 Unit 4, pages 476–478 (WP 4B)	October Magnetic Board May Computational Fluency	Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1 & 2 Set A2 Number & Operations: Basic Multiplication and Division, Activities 1 & 2	

MATHEMATICS CONTENT STANDARD 2: NUMBER SENSE & OPERATION

The student will use numbers and number relationships to acquire basic facts. The student will estimate and compute with whole numbers.

Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1a.i. Model the concept of place value through 4 digits (e.g., base-10 blocks, bundles of 10s, place value mats).	Unit 2, Sessions 10, 13, 14, 26 Unit 5, Sessions 14, 15, 18 Unit 5, pages 652–654, 666–667 (WP’s 5F, 5G) Unit 6, page 737 (HC 23)	January Computational Fluency March Magnetic Board	Bridges Practice Book, pages 3, 21	Formal Number Corner Teacher’s Guide, pages 266–268 (Checkup 3)

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MATHEMATICS CONTENT STANDARD 2: NUMBER SENSE & OPERATION				
The student will use numbers and number relationships to acquire basic facts. The student will estimate and compute with whole numbers.				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1a.ii. Read and write whole numbers up to 4 digits (e.g., expanded form, standard form).	Unit 2, Sessions 13, 14 Unit 5, Sessions 6, 14–18 Unit 5, pages 666–667 (WP 5G) Unit 6, page 737 (HC 23)	September Numbers Grid December Numbers Grid January Numbers Grid January Computational Fluency February Numbers Grid March Numbers Grid April Numbers Grid	Bridges Practice Book, pages 3, 19, 21, 23, 97, 131	Formal Number Corner Teacher’s Guide, pages 266–268 (Checkup 3)
1b.i. Compare and order whole numbers up to 4 digits.	Unit 2, Sessions 13, 14 Unit 5, Session 6, 14–18 Unit 5, pages 666–667 (WP 5G) Unit 6, page 737 (HC 23)	December Numbers Grid January Numbers Grid January Computational Fluency February Numbers Grid March Numbers Grid April Numbers Grid	Bridges Practice Book, pages 3, 19, 21, 23	Formal Number Corner Teacher’s Guide, pages 322–323 (Checkup 4)
1b.ii. Create and compare physical and pictorial models of equivalent and nonequivalent fractions including halves, thirds, fourths, eighths, tenths, twelfths, and common percents (25%, 50%, 75%, 100%).	Unit 3, Sessions 11, 12 Unit 6, Session 5–9, 11–18	December–February Magnetic Board April Calendar Grid May Calendar Grid	Bridges Practice Book, pages 8, 10, 30, 103, 105, 108, 109, 110, 111, 112, 114, 115, 116, 117, 125, 128, 133	Informal Bridges Practice Book, page 30, 103, 109, 111, 114, 115, 116, 117, 125, 133
				Formal Unit 6, Sessions 2 & 18 (Unit Pre- and Post-Assessments) Number Corner Teacher’s Guide, pages 322–324 (Checkup 4)
2a. Estimate and find the sum or difference (with and without regrouping) of 3- and 4-digit numbers using a variety of strategies to solve application problems.	Unit 2, Sessions 26, 27, 29 Unit 2, pages 334–335 (WP 2K) Unit 5, Sessions 2, 3, 5, 6, 10–13, 16, 17, 19 Unit 5, page 675 (HC 21) Unit 7, Session 1	November Computational Fluency November Magnetic Board December Numbers Grid January Numbers Grid January Computational Fluency February Numbers Grid March Magnetic Board April Numbers Grid	Set A3 Number & Operations: Multi-Digit Addition & Subtraction, Activities 1–5 Set A6 Number & Operations: Estimating to Add & Subtract, Independent Worksheets 1–3 Bridges Practice Book, pages 9, 27, 29, 39, 53, 81, 87, 88, 89, 90, 92, 93, 94, 96, 98, 99, 100, 101, 107, 123, 126, 137	Informal Bridges Practice Book, pages 89, 90, 92, 99, 101, 107, 123, 126, 137
				Formal Unit 5, Sessions 1 & 20 (Unit Pre- and Post-Assessment) Number Corner Teacher’s Guide, pages 200–202, 266–268, 322–324 (Checkups 2, 3 & 4)

Bridges Grade 3 Correlations to Oklahoma Mathematics Standards (cont.)

MATHEMATICS CONTENT STANDARD 2: NUMBER SENSE & OPERATION				
The student will use numbers and number relationships to acquire basic facts. The student will estimate and compute with whole numbers.				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
2b.i. Use physical models and a variety of multiplication algorithms to find the product of multiplication problems with one-digit multipliers.	Unit 4, Sessions 2–9, 12, 14–16, 18, 19, 22 Unit 4, page 465 (HC 13) Unit 7, Sessions 12–17	October Calendar Grid October Magnetic Board May Magnetic Board Number Corner Student Book, pages 14, 58	Set A2 Number & Operations: Basic Multiplication & Division, Activities 1 & 2, and Independent Worksheets 1, 3, 5, 6 & 8 Bridges Practice Book, pages 14, 16, 24, 25, 35, 61, 62, 63, 67, 68, 69, 72, 91, 93, 122, 138	Informal Unit 4, Session 9 (Work Sample) Bridges Practice Book, pages 14, 16, 24, 25, 61, 63, 67, 68, 69, 91, 93
				Formal Unit 4, Sessions 1 & 24 (Unit Pre- and Post-Assessments) Unit 7, Sessions 1 & 20 (Unit Pre- and Post-Assessments)
2b.ii. Demonstrate fluency (memorize and apply) with basic multiplication facts up to 10×10 and the associated division facts (e.g., $5 \times 6 = 30$ and $30 \div 6 = 5$).	Unit 4, Sessions 5–10, 17, 20, 22 Unit 4, pages 495, 548, 564 (Home Connections 14, 16 & 17) Unit 5, page 603 (Home Connection 18) Unit 7, pages 833, 855–856 (Home Connections 27 & 28)	September Numbers Grid October Numbers Grid November Numbers Grid December Computational Fluency February–May Computational Fluency Number Corner Student Book pages 14, 23, 45–48, 54	Set A2 Number & Operations: Basic Multiplication & Division, Independent Worksheets 2, 3, 4, 5 & 8 Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1 & 2 Bridges Practice Book, pages 61, 63, 65, 67, 69, 70, 71, 73, 77, 79, 83, 119, 121, 123, 135	Informal Bridges Practice Book, pages 61, 63, 65, 67, 69, 77, 79, 83, 119, 121, 123, 135
				Formal Unit 4, Sessions 11, 21 (Multiplication Fluency Checkups 1 & 2) Unit 5, Session 9 (Multiplication Fluency Checkup 3) Number Corner Teacher’s Guide, pages 266–268, 322–324 (Checkups 3 & 4)
2b.iii. Estimate the product of 2-digit by 2-digit numbers by rounding to the nearest multiple of 10 to solve application problems.		May Magnetic Board	Set A2 Number & Operations: Basic Multiplication & Division, Activities 1 & 2 and Independent Worksheets 5–7 Set A7 Number & Operations: Multiplication Beyond the Basics, Activity 1 and Independent Worksheets 1, 2 & 3 Bridges Practice Book, pages 64, 83, 121	

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MATHEMATICS CONTENT STANDARD 3: GEOMETRY				
The student will use geometric properties and relationships to recognize and describe shapes.				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1. Identify and compare attributes of two- and three- dimensional shapes and develop vocabulary to describe the attributes (e.g., count the edges and faces of a cube, the radius is half of a circle, lines of symmetry).	Unit 3, Sessions 2–14 Unit 6, Sessions 11, 12 Unit 7, Sessions 3–8	November Calendar Grid March Calendar Grid	Set C2 Geometry: Triangles & More, Activities 1, 2 & 3 and Independent Worksheets 1–4 Bridges Practice Book, pages 41, 42, 43, 45, 47, 52, 55, 56, 57, 58, 139, 140	Formal Unit 3, Session 15 (Unit Post-Assessment) Unit 7, Sessions 2 & 20 (Unit Pre- and Post-Assessments) Number Corner Teacher’s Guide, pages 266–268 (Checkup 3)
2. Analyze the effects of combining and subdividing two- and three- dimensional figures.	Unit 3, Sessions 4–6, 11, 12 Unit 3, pages 376–378 (WP 3B) Unit 6, Sessions 11, 12 Unit 7, Sessions 6–8, 10, 11		Bridges Practice Book, pages 49,	Formal Unit 3, pages 421–426 (Constructed Response Assessment)
3. Make and use coordinate systems to specify locations and shapes on a grid with ordered pairs and to describe paths from one point to another point on a grid.	Unit 7, Session 1		Set C3 Geometry: Coordinate Grids, Activities 1 & 2, and Independent Worksheets 1, 2, 3 & 4	

MATHEMATICS CONTENT STANDARD 4: MEASUREMENT				
The student will use appropriate units of measure to solve problems.				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1a. Choose an appropriate measurement instrument and measure the length of objects to the nearest inch or half-inch and the weight of objects to the nearest pound or ounce.	Unit 1, Session 15 Unit 1, pages 113–115 (WP 1E) Unit 4, Session 11 Unit 4, pages 498–500 (WP 4D) Unit 4, page 521 (HC 15) Unit 8, Sessions 7, 8, 10, 12, 14	September Calendar Grid March Data Collector	Set C2 Geometry: Triangles & More, Activities 1, 2 & 3 and Independent Worksheets 1–3 Bridges Practice Book, pages 37, 44	Formal Number Corner Teacher’s Guide, pages 92–93 (Checkup 1)
1b. Choose an appropriate measurement instrument and measure the length of objects to the nearest meter or centimeter and the weight of objects to the nearest gram or kilogram.	Unit 2, Session 15 Unit 2, pages 248–250 (WP 2C) Unit 5, pages 620–623 (WP 5C)	September Calendar Grid March Data Collector	Bridges Practice Book, pages 22, 46, 48,	

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MATHEMATICS CONTENT STANDARD 4: MEASUREMENT				
The student will use appropriate units of measure to solve problems.				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1c. Develop and use the concept of perimeter of different shapes to solve problems.	Unit 5, Sessions 7, 8	March Data Collector Number Corner Student Book, p 53	Bridges Practice Book, pages 44, 46, 48, 50, 54, 60, 106, 119, 130, 134, 135	Informal Bridges Practice Book, pages 46, 54, 60, 119
				Formal Number Corner Teacher's Guide, pages 266–268 (Checkup 3)
1d. Develop and use strategies to choose an appropriate unit and measurement instrument to estimate measurements (e.g., use parts of the body as benchmarks for measuring length).	Unit 1, Session 15 Unit 1, pages 113–115 (WP 1E) Unit 2, Session 15 Unit 2, pages 248–250 (WP 2C) Unit 4, pages 497–500 (Introduction to Weight Measurement and WP 4D) Unit 5, pages 620–623 (Introducing Grams and WP 5C)		Set D1 Measurement: Weight, Activities 1 & 2 Bridges Practice Book, pages 82, 84, 126	
2a. Solve simple addition problems with time (e.g., 15 minutes added to 1:10 p.m.).		November Clocks, Coins & Bills December Clocks, Coins & Bills January Calendar Grid March Clocks, Coins & Bills	Set A7 Number & Operations: Multiplication Beyond the Basics, Independent Worksheets 2 & 3 Bridges Practice Book, pages 17, 20, 120	Formal Number Corner, pages 92–93, 266–268 (Checkups 1, 3)
2b. Tell time on a digital and analog clock to the nearest 5 minutes.	Unit 2, page 312 (HC 8)	October Coins, Clocks & Bills November Coins, Clocks & Bills December Coins, Clocks & Bills January Calendar Grid March Coins, Clocks & Bills	Set D3 Measurement: Telling Time, Activity 1 and Independent Worksheets 1 & 2 Bridges Practice Book, pages 12, 17, 20, 34, 70, 120	Informal Bridges Practice Book, pages 20, 34
				Formal Number Corner Teacher's Guide, pages 92–94, 266–267 (Checkups 1, 3)
2c. Read a thermometer and solve for temperature change.		November Magnetic Board November Data Collector December Calendar Grid January Data Collector Number Corner Student Book, pages 18–20, 24, 26, 31–33, 38		
3. Determine the correct amount of change when a purchase is made with a five-dollar bill.	Unit 2, Session 27 Unit 2, pages 325–326 (WP 2J) Unit 5, Session 5 Unit 6, Sessions 1, 3, 4 Unit 6, pages 706–707 (WP 6A)	January Clocks, Coins & Bills February Clocks, Coins & Bills April Clocks, Coins & Bills April Magnetic Board May Clocks, Coins & Bills		Formal Unit 6, Sessions 2 & 20 (Unit Pre- and Post-Assessments) Number Corner Teacher's Guide, pages 200–202 (Checkup 2)

Bridges Grade 3 Correlations to Oklahoma Mathematics Standards (cont.)

MATHEMATICS CONTENT STANDARD 5: DATA ANALYSIS				
The student will demonstrate an understanding of collection, display, and interpretation of data and probability.				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1a. Pose questions, collect, record, and interpret data to help answer questions.	Unit 2, Session 20 Unit 2, pages 152–153 (WP 1H) Unit 2, page 153 (HC 2) Unit 3, Session 6 Unit 4, Sessions 3, 17 Unit 4, pages 454–455 (WP 4A) Unit 6, Sessions 6, 7, 9, 16, 17 Unit 6, pages 764–766, 771–773 (WP's 6D, 6E) Unit 6, page 775 (HC 25) Unit 7, Sessions 18, 19 Unit 8, Sessions 5, 11, 13, 14	October Data Collector November Magnetic Board December Magnetic Board January Data Collector April Data Collector May Data Collector	Set E1 Data Analysis: Graphs, Activities 1, 2 & 3 and Independent Worksheets 1 & 2 Set E2 Data Analysis: Probability, Activity 1 and Independent Worksheets 1 and 2	Formal Unit 7, Sessions 2 & 20 (Unit Pre- and Post-Assessments)
1b. Read graphs and charts, identify the main idea, draw conclusions, and make predictions based on the data.	Unit 1, Session 20 Unit 2, pages 227–229 (Analyzing Outcomes for Blast Off to Outer Space) Unit 4, Session 17 Unit 6, Sessions 6, 9, 16, 17 Unit 6, pages 764–766, 771–773 (WP's 6D, 6E) Unit 6, page 775 (HC 25) Unit 7, Session 19 Unit 8, Sessions 5, 11, 13, 14	October Data Collector December Data Collector December Magnetic Board February Data Collector April Data Collector May Data Collector	Set E1 Data Analysis: Graphs, Activities 1, 2 & 3 and Independent Worksheets 1 & 2 Set E2 Data Analysis: Probability, Activity 1 and Independent Worksheets 1 and 2 Bridges Practice Book, pages 2, 4, 6, 15, 102, 132	Formal Unit 6, Sessions 2 & 18 (Unit Pre- and Post-Assessments) Unit 7, Sessions 2 & 20 (Unit Pre- and Post-Assessments) Number Corner, pages 200–202, 322–324 (Checkups 2 & 4)
1c. Construct bar graphs, frequency tables, line graphs (plots), and pictographs with labels and a title from a set of data.	Unit 6, Session 6, 16, 17 Unit 6, page 775 (HC 25) Unit 8, Sessions 11, 13, 14	April Data Collector May Data Collector	Set E1 Data Analysis: Graphs, Activities 1, 2 & 3 and Independent Worksheets 1 & 2 Set E2 Data Analysis: Probability, Activity 1 and Independent Worksheets 1 and 2 Bridges Practice Book, pages 4, 102, 132	Formal Unit 6, Sessions 2 & 20 (Unit Pre- and Post-Assessments)
2. Describe the probability (more, less, or equally likely) of chance events.	Unit 1, Session 20 Unit 2, pages 227–229 (Analyzing Outcomes for Blast Off to Outer Space) Unit 4, Sessions 3, 17 Unit 6, Session 16, 17 Unit 6, page 775 (HC 25)	October Data Collector December Magnetic Board April Data Collector May Data Collector	Set E2 Data Analysis: Probability, Activity 1 and Independent Worksheets 1 and 2	Formal Unit 6, Sessions 2 & 18 (Unit Pre- and Post-Assessments) Number Corner, pages 322–324 (Checkup 4)

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MATHEMATICS PROCESS STANDARD 1: PROBLEM SOLVING				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1. Use problem-solving approaches.	Unit 1, Sessions 2–4, 7 Unit 2, Sessions 18, 22, 25 Unit 3, Session 2, 13, 14 Unit 4, Session 7–9 Unit 5, Session 2, 8, 10, 13 Unit 7, Sessions 3, 5	September–May Calendar Grid	Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1 & 2 Set F1 Problem Solving: Strategies, Activities 1, 2 & 3, and Independent Worksheets 1–9 Bridges Practice Book, pages 2, 4, 6, 15, 17, 18, 20, 26, 28, 32, 33, 38, 40, 45, 47, 50, 52, 53, 54, 55, 58, 59, 60, 70, 74, 78, 80, 98, 100, 102, 104, 106, 108, 110, 115, 116, 118, 120, 124, 127, 128, 129, 130, 132, 134, 135, 136, 139, 140	Informal Bridges Practice Book, pages 18, 28, 53, 60, 80, 88
				Formal Unit 1, Session 19 (Addition & Subtraction Story Problems)
2. Formulate problems from everyday and mathematical situations.	Unit 3, Session 14 Unit 4, Sessions 1, 2, 4, 14 Unit 6, Session 6 Unit 7, Session 14		Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheet 2 Set A2 Number & Operations: Basic Multiplication & Division, Activity 2 and Independent Worksheet 8	
3. Develop, test, and apply strategies to solve a variety of routine and non-routine problems.	Unit 1, Sessions 4, 7 Unit 2, Sessions 18, 22, 23, 25–27 Unit 3, Session 2 Unit 4, Sessions 9, 12–14, 19, 23 Unit 5, Sessions 2, 7, 8, 10, 17 Unit 6, Session 7, 8 Unit 8, Sessions 10–15		Set F1 Problem Solving: Strategies, Activities 1, 2 & 3, and Independent Worksheets 1–9 Bridges Practice Book, page 80, 104, 106	Informal Bridges Practice Book, page 80, 104, 106
4. Verify and interpret results with respect to the original problem.	Unit 1, Sessions 4, 7 Unit 2, Session 15, 17, 22, 25–27 Unit 3, Sessions 2, 11, 12 Unit 4, Sessions 12–14, 23 Unit 5, Sessions 8, 11, 17 Unit 7, Sessions 12, 13		Set F1 Problem Solving: Strategies, Activities 1, 2 & 3 Set A6 Number & Operations: Estimating to Add & Subtract, Independent Worksheets 1, 2 & 3 Bridges Practice Book, pages 78, 80	Formal Unit 2, Sessions 12 & 30 (Unit Pre- and Post-Assessment) Unit 5, Sessions 1 & 20 (Unit Pre- and Post-Assessment)
5. Distinguish between necessary and irrelevant information in solving problems.	Unit 1, Sessions 4, 7 Unit 2, Sessions 18, 22, 25 Unit 3, Session 2, 13, 14 Unit 7, Sessions 3, 5	September–May Calendar Grid	Set F1 Problem Solving: Strategies, Activities 1, 2 & 3, and Independent Worksheets 1–9 Bridges Practice Book, pp 18, 20, 26, 28	

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MATHEMATICS PROCESS STANDARD 2: COMMUNICATION				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1. Express mathematical ideas coherently and clearly to peers, teachers, and others.	Unit 1, Sessions 4, 19 Unit 2, Sessions 22, 23, 25–27 Unit 3, Sessions 2, 4 Unit 4, Sessions 9, 13, 14, 19, 23 Unit 5, Sessions 2, 5, 7–8, 10, 13, 14, 17 Unit 6, Sessions 7, 8 Unit 7, Sessions 12, 13	September–May Calendar Grid March Magnetic Board	Set F1 Problem Solving: Strategies, Activities 1, 2 & 3	Informal Unit 4, pages 514–516 (Instructional Considerations for Solving Game Store Problems)
				Formal Unit 1, Session 19 (Addition & Subtraction Story Problems) Unit Pre- and Post-Assessments Unit 2, Sessions 12 & 30 Unit 4, Sessions 1 & 24 Unit 5, Sessions 1 & 20 Unit 6, Sessions 2 & 18 Unit 7, Sessions 2 & 20
2. Extend mathematical knowledge by considering the thinking and strategies of others.	Unit 1, Sessions 4, 5, 7, 8, 16, 17 Unit 2, Sessions 2, 7, 17–19, 22, 24 Unit 3, Sessions 3, 6 Unit 4, Sessions 3, 6, 9, 12–14, 23 Unit 5, Sessions 2, 4, 8, 11, 19 Unit 6, Sessions 5, 7, 16 Unit 7, Sessions 5, 8, 12, 13, 17	September Magnetic Board December Magnetic Board	Set F1 Problem Solving: Strategies, Activities 1–3	

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MATHEMATICS PROCESS STANDARD 2: COMMUNICATION				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
3. Relate manipulatives, pictures, diagrams, and symbols to mathematical ideas.	Unit 1, Sessions 4, 7–9, 19 Unit 2, Sessions 18, 22, 23, 25–27 Unit 3, Sessions 2, 4 Unit 4, Sessions 9, 13, 14, 19, 23 Unit 5, Sessions 2, 5, 7, 8, 10, 13, 17 Unit 6, Sessions 7, 8 Unit 7, Sessions 12, 13	March Magnetic Board	Set F1 Problem Solving: Strategies, Activities 1, 2 & 3, and Independent Worksheets 1–9 Bridges Practice Book, pages 18, 20, 26, 28, 38, 40, 80, 104, 106, 108, 110, 116, 120, 127, 128, 129, 130, 134, 136	<p>Informal</p> Unit 4, pages 514–516 (Instructional Considerations for Solving Game Store Problems) Bridges Practice Book, pages 18, 20, 26, 28, 38, 40, 80, 104, 106, 108, 110, 116, 120, 127, 128, 129, 130, 134, 136
				<p>Formal</p> Unit 1, Session 19 (Addition & Subtraction Story Problems) Unit Pre- and Post-Assessments: Unit 2, Sessions 12 & 30 Unit 4, Sessions 1 & 24 Unit 5, Sessions 1 & 20 Unit 6, Sessions 2 & 18 Unit 7, Sessions 2 & 20
4. Represent, discuss, write, and read mathematical ideas and concepts. Start by relating everyday language to mathematical language and symbols and progress toward the use of appropriate terminology.	Unit 1, Sessions 4, 7 Unit 2, Sessions 2, 5–10, 16 Unit 3, Sessions 2, 3, 5, 6, 8, 9, 11, 13 Unit 4, Sessions 1, 18, 19 Unit 5, Sessions 7, 8 Unit 6, Sessions 5, 7, 9 Unit 7, Sessions 1, 3–6, 8, 10, 18, 19 Unit 8, Sessions 11–15	September Magnetic Board October Calendar Grid October Data Collector November Calendar Grid March Data Collector April, May Calendar Grid	Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1, 2 Set C2 Geometry: Triangles & More, Activities 1–3 and Independent Worksheets 1–4 Set D1 Measurement: Weight, Activities 1, 2 Set E1 Data Analysis: Graphing, Activities 1–3 and Independent Worksheets 1, 2 Set E2 Data Analysis: Probability, Activity 1 and Independent Worksheets 1, 2	

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MATHEMATICS PROCESS STANDARD 3: REASONING				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1. Explain mathematical situations using patterns and relationships.	Unit 1, Sessions 2, 4, 7 Unit 2, Session 11 Unit 4, Sessions 17–19 Unit 5, Sessions 7, 8 Unit 6, Sessions 5, 16, 17 Unit 7, Sessions 8, 18, 19 Unit 8, Session 1, 5, 7, 11, 13, 15	September–May Calendar Grid October Data Collector December Data Collector February Data Collector April Data Collector May Data Collector	Set E1 Data Analysis: Graphs, Activities 1, 2 & 3 and Independent Worksheets 1 & 2 Bridges Practice Book, pages 115, 121, 124, 126, 132	Informal Bridges Practice Book, pages 115, 121, 124, 126, 132
2. Demonstrate thinking processes using a variety of age-appropriate materials and reasoning processes.	Unit 1, Sessions 2, 4, 7 Unit 2, Sessions 2, 7, 17–19, 22, 24 Unit 3, Sessions 2, 4, 6, 9, 11, 13 Unit 4, Sessions 1, 3, 6, 9, 12–14, 23 Unit 5, Sessions 2, 4, 7, 8, 11, 12, 13, 16, 17 Unit 6, Sessions 1, 3, 4, 7, 14–16 Unit 7, Sessions 3–5, 8, 10, 11, 13, 15, 17 Unit 8, Sessions 11–15	September–May Calendar Grid September–May Numbers Grid September Magnetic Board October Data Collector May Computational Fluency	Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1, 2 Set A2 Number & Operations: Basic Multiplication & Division, Activities 1, 2 and Independent Worksheets 1–8 Set A6 Number & Operations: Estimating to Add & Subtract, Independent Worksheets 1–3 Set C2 Geometry: Triangles & More, Activities 1–3 and Independent Worksheets 1–4 Set E2 Data Analysis: Probability, Activity 1 and Independent Worksheets 1, 2	Formal Unit 1, Session 19 (Addition & Subtraction Story Problems Assessment) Unit 2, pages 327–330 (Individual Interview) Unit Pre- and Post-Assessment Unit 2, Sessions 12, 30 Unit 3, Session 15 Unit 4, Sessions 1, 24 Unit 5, Sessions 1, 20 Unit 6, Sessions 2, 18 Unit 7, Sessions 2, 20
3. Make predictions and draw conclusions about mathematical ideas and concepts.	Unit 1, Sessions 2, 4, 7, 12, 20 Unit 3, Sessions 8, 10 Unit 4, Sessions 3, 17, 18, 19 Unit 5, Sessions 7, 8 Unit 6, Sessions 5, 6, 16, 17 Unit 7, Sessions 5, 6, 8, 18, 19 Unit 8, Sessions 1, 3, 5, 7, 9–14	October Data Collector April Data Collector May Data Collector	Bridges Practice Book, pages 135, 139, 140	

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MATHEMATICS PROCESS STANDARD 4: CONNECTIONS				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1. Relate various concrete and pictorial models of concepts and procedures to one another.	Unit 1, Sessions 4, 7, 14, 17 Unit 2, Sessions 1, 2, 5–10, 13, 14, 17, 18, 20, 22–27 Unit 3, Sessions 6, 7 Unit 4, Sessions 1–7, 9, 18, 19, 23 Unit 5, Sessions 3, 6, 7, 8, 10, 13 Unit 6, Sessions 3–6, 9, 13, 14, 15 Unit 7, Sessions 12–17	September Computational Fluency September Magnetic Board October Calendar Grid October Magnetic Board November, December, January Computational Fluency December, January, February, March, May Magnetic Board April, May Calendar Grid	Set A2 Number & Operations: Basic Multiplication & Division, Activities 1, 2 and Independent Worksheets 1–8 Set A7 Number & Operations: Multiplication Beyond the Basic Facts, Activity 1	
2. Link concepts to procedures and eventually to symbolic notation.	Unit 1, Sessions 4, 7, 14, 17 Unit 2, Sessions 10, 13, 14, 17, 18, 20, 22–27 Unit 4, Sessions 2–7, 9, 18, 19, 23 Unit 5, Sessions 3, 6, 7, 8, 10, 13 Unit 6, Sessions 3–6, 9, 13, 14, 15 Unit 7, Sessions 12–17	September Computational Fluency September Magnetic Board October Calendar Grid October Magnetic Board November, December, January Computational Fluency December, January, February, March, May Magnetic Board April, May Calendar Grid	Set A2 Number & Operations: Basic Multiplication & Division, Activities 1, 2 and Independent Worksheets 1–8 Set A7 Number & Operations: Multiplication Beyond the Basic Facts, Activity 1	
3. Recognize relationships among different topics within mathematics.	Unit 2, Sessions 18, 19, 22, 23, 26, 27 Unit 4, Session 9, 13, 14, 23 Unit 5, Session 10, 13, 17 Unit 6, Sessions 5–8 Unit 8, Sessions 10–15	September Calendar Grid November Data Collector November Magnetic Board December Calendar Grid December Data Collector January Data Collector January Clocks, Coins & Bills February Data Collector March Calendar Grid	Bridges Practice Book, pages 2, 4, 6, 15, 18, 20, 26, 28, 32, 33, 36, 38, 40, 45, 47, 50, 52, 53, 64, 70, 74, 78, 80, 82, 84, 90, 96, 97, 98, 100, 102, 106, 108, 110, 111, 114, 115, 116, 117, 118, 120, 124, 126, 127, 128, 129, 130, 132, 134, 136, 137, 139, 140	

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MATHEMATICS PROCESS STANDARD 4: CONNECTIONS				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
4. Use mathematical strategies to solve problems that relate to other curriculum areas and the real world.	Unit 1, Session 15 Unit 2, Session 15 Unit 3, Sessions 5, 6 Unit 4, Sessions 1, 2, 4, 7, 9, 12 Unit 5, Sessions 5, 7, 13, 16, 17 Unit 6, Sessions 1, 3, 6, 11, 12 Unit 7, Sessions 9, 18, 19 Unit 8, Sessions 11–15	September Calendar Grid November Data Collector November Magnetic Board December, January, March Calendar Grid December, January, February Data Collector January, April, May Clocks, Coins & Bills	Set A6 Number & Operations Estimating to Add & Subtract, Independent Worksheets 1–3 Set D1 Measurement: Weight, Activities 1, 2 Set E1 Data Analysis: Graphing, Activities 1–3 and Independent Worksheets 1, 2 Set F1 Problem Solving: Strategies, Activities 1–3 and Independent Worksheets 1–9	

MATHEMATICS PROCESS STANDARD 5: REPRESENTATION				
Priority Academic Student Skills	Bridges	Number Corner	Bridges Supplement	Assessments
1. Create and use a variety of representations appropriately and with flexibility to organize, record, and communicate mathematical ideas	Unit 1, Sessions 4, 7 Unit 2, Sessions 18, 22, 23, 25–27 Unit 3, Session 2 Unit 4, Sessions 9, 12–14, 19, 23 Unit 5, Sessions 2, 7, 8, 17 Unit 6, Session 7, 8 Unit 8, Sessions 10–15	April, May Data Collector	Set E1 Data Analysis: Graphs, Activities 1, 2 & 3, and Independent Worksheets 1 & 2	Formal Unit 4, pages 441-444, 562-569 (Pre- and Post Assessments)
2. Use representations to model and interpret physical, social, and mathematical situations	Unit 1, Sessions 4, 7 Unit 2, Sessions 18, 22, 23, 25–27 Unit 3, Session 2 Unit 4, Sessions 9, 12–14, 19, 23 Unit 5, Sessions 2, 7, 8, 17 Unit 6, Session 7, 8 Unit 8, Sessions 10–15	September–May Magnetic Board October Calendar Grid October Data Collector December Data Collector February Data Collector April & May Calendar Grid	Set E1 Data Analysis: Graphs, Activities 1, 2 & 3, and Independent Worksheets 1 & 2 Set F1 Problem Solving: Strategies, Activities 1, 2 & 3, and Independent Worksheets 1–9	Formal Unit 4, pages 441-444, 562-569 (Pre- and Post Assessments)