

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations

NUMBER & OPERATIONS				
Understand and use number notation and place value				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.ME.03.01 Read and write numbers to 10,000 in both numerals and words, and relate them to the quantities they represent.	Unit 2, Sessions 13, 14 Unit 5, Sessions 6, 14–18 Unit 5, pp 666–667 (WP 5G) Unit 6, p 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, pp 3, 19, 21, 22, 97, 131	Informal Bridges Practice Book, pp 3, 19, 21, 23, 97, 131
				Formal Number Corner Teacher's Guide, pp 266–268 (Checkup 3)
N.ME.03.02 Identify the place value of a digit in a number, e.g., in 3,241, 2 is in the hundreds place. Recognize and use expanded notation for numbers using place value through 9,999, e.g., 2,517 is $2000 + 500 + 10 + 7$; 4 hundreds and 2 ones is 402.	Unit 2, Sessions 10, 13, 14, 26 Unit 5, Sessions 14, 15, 18 Unit 5, pp 652–654, 666–667 (WP's 5F, 5G) Unit 6, page 737 (HC 23)	November Computational Fluency December Numbers Grid January Numbers Grid January Computational Fluency February Numbers Grid March Magnetic Board	Bridges Practice Book, pp 3, 19, 21, 23, 85, 86, 88, 89	Informal Bridges Practice Book, pp 19, 21, 23, 88, 89
				Formal Number Corner, pp 266–268 (Checkup 3)
N.ME.03.03 Compare and order numbers up to 10,000.	Unit 2, Sessions 13, 14, 25 Unit 5, Session 6, 13–18 Unit 5, Session 16 Unit 5, pp 666–667 (WP 5G) Unit 6, p 737 (HC 23)	December Numbers Grid January Numbers Grid January Computational Fluency February Numbers Grid March Numbers Grid April Numbers Grid	Bridges Practice Book, pp 3, 19, 23	Formal Number Corner Teacher's Guide, pp 322–323 (Checkup 4)
Count in steps, and understand even and odd numbers				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.ME.03.04 Count orally by 6's, 7's, 8's, and 9's starting with 0, making the connection between repeated addition and multiplication.	Unit 4, Sessions 2, 3, 5, 15, 18, 20			
N.ME.03.05 Know that even numbers end in 0, 2, 4, 6, or 8; name a whole number quantity that can be shared in two equal groups or grouped into pairs with no remainders; recognize even numbers as multiples of 2. Know that odd numbers end in 1, 3, 5, 7, or 9, and work with patterns involving even and odd numbers.		September Magnetic Board October Numbers Grid December Numbers Grid	Set A2 Number & Operations: Basic Multiplication & Division, Independent Worksheet 2	

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

NUMBER & OPERATIONS				
Add and subtract whole numbers				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.FL.03.06 Add and subtract fluently two numbers through 999 with regrouping and through 9,999 without regrouping.	Unit 2, Sessions 7, 8, 17–19, 22–27, 29 Unit 5, Sessions 2, 5, 6, 10, 13, 17 Unit 7, Session 1	November Computational Fluency November Magnetic Board January Computational Fluency March Magnetic Board	Set A3 Number & Operations: Multi-Digit Addition & Subtraction, Activities 1–5; Independent Worksheets 1, 2 & 3 Bridges Practice Book, pp 9, 27, 29, 31, 33, 36, 40, 51, 53, 81, 89, 90, 92, 94, 96, 98, 99, 101, 107, 118, 123, 126, 129, 137	Formal Unit Pre- and Post-Assessments Unit 2, Sessions 12 & 30 Unit 5, Sessions 1 & 20 Number Corner Teacher's Guide, pp 200–202, 266–268 and 322–324 (Checkups 2, 3, & 4)
N.FL.03.07 Estimate the sum and difference of two numbers with three digits (sums up to 1,000), and judge reasonableness of estimates.	Unit 2, Sessions 17, 22, 24, 27 Unit 2, page 337 (HC 9) Unit 5, Sessions 2, 5, 6, 10, 12, 13, 17, 19 Unit 6, Session 1	November Magnetic Board January Coins, Clocks & Bills March Magnetic Board May Coins, Clocks & Bills Number Corner Student Book, pages 35, 40, 62	Set A6 Number & Operations: Estimating to Add & Subtract, Independent Worksheets 1, 2 & 3 Bridges Practice Book, pages 39, 87, 89, 90, 92, 93, 96, 99, 100, 126	Informal Bridges Practice Book, pages 39, 87, 89, 90, 92, 93, 96, 99, 100, 126
				Formal Unit 2, Sessions 12 & 30 (Unit Pre- and Post-Assessment) Unit 5, Sessions 1 & 20 (Unit Pre- and Post-Assessment) Number Corner Teacher's Guide, pages 200–202 and 266–268 (Checkups 2 & 3)
N.FL.03.08 Use mental strategies to fluently add and subtract two-digit numbers.	Unit 2, Sessions 17–19, 22–27, 29 Unit 2, pp 224–225 (HC 5) Unit 3, p 405 (HC 11)	October Numbers Grid November Numbers Grid November Computational Fluency	Set A3 Number & Operations: Multi-Digit Addition & Subtraction, Activities 2 & 4 and Independent Worksheet 1 Bridges Practice Book, pp 31, 39, 91	Formal Unit 2, Sessions 12 & 30 (Unit Pre- and Post-Assessment) Number Corner, pp 200–202 (Checkup 2)
Multiply and divide whole numbers				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.MR.03.09 Use multiplication and division fact families to understand the inverse relationship of these two operations, e.g., because $3 \times 8 = 24$, we know that $24 \div 8 = 3$ or $24 \div 3 = 8$; express a multiplication statement as an equivalent division statement.	Unit 4, Sessions 4, 9, 13, 18, 19, 23, 24	November Numbers Grid March Computational Fluency Number Corner Student Book, p 54	Set A1 Number & Operations: Equal Expressions, Independent Worksheets 1 & 2 Set A2 Number & Operations: Basic Multiplication & Division, Independent Worksheets 1, 3, 4, 5, 7 & 8 Bridges Practice Book, pp 67, 69, 75, 77, 83	Formal Unit 4, Sessions 1 & 24 (Unit Pre- and Post-Assessments)

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

NUMBER & OPERATIONS				
Multiply and divide whole numbers				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.MR.03.10 Recognize situations that can be solved using multiplication and division including finding “How many groups?” and “How many in a group?” and write mathematical statements to represent those situations.	Unit 4, Sessions 2–9, 12–16, 18, 19, 22, 23, 24 Unit 4, page 465 (HC 13) Unit 6, Sessions 7, 8, 12, 13	October Calendar Grid March 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 F1 Problem Solving: Strategies, Independent Worksheets 2, 3 & 9 Bridges Practice Book, pages 14, 16, 24, 25, 61, 63, 67, 68, 69, 91, 93 Bridges Practice Book, pages 14, 16, 24, 25, 61, 63, 67, 68, 69, 70, 72, 75, 76, 77, 78, 83, 91, 93, 118, 119, 120, 124, 127, 129, 136	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)
N.FL.03.11 Find products fluently up to 10×10 ; find related quotients using multiplication and division relationships.	Unit 4, Sessions 5–10, 17, 20, 22 Unit 4, pages 495, 548, 564 (Home Connections 14, 16 & 17) Unit 5, page 603 (HC 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	Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1 & 2 Set A2 Number & Operations: Basic Multiplication & Division, Independent Worksheets 2, 3, 4, 5 & 8 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)
N.MR.03.12 Find solutions to open sentences, such as $7 \times \square = 42$ or $12 \div \square = 4$, using the inverse relationship between multiplication and division.	Unit 4, Sessions 3, 4, 7, 9, 12, 13, 14, 23	March Computational Fluency	Set A1 Number & Operations: Equal Expressions, Activity 1 and Independent Worksheets 1 & 2 Set A7 Number & Operations: Multiplication Beyond the Basics, Activity 1 and Ind. Worksheet 3	

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

NUMBER & OPERATIONS				
Multiply and divide whole numbers				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.FL.03.13 Mentally calculate simple products and quotients up to a three-digit number by a one-digit number involving multiples of 10, e.g., 500×6 , or $400 \div 8$.	Unit 7, Sessions 12–17	January Numbers Grid April Numbers Grid 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 1–3 Bridges Practice Book, pp 64, 78, 82, 83, 121, 122, 124, 127, 137, 138	Informal Bridges Practice Book, pp 64, 83, 121
				Formal Number Corner Teacher's Guide, pp 322–324 (Checkup 4)
N.MR.03.14 Solve division problems involving remainders, viewing the remainder as the “number left over”; interpret based on problem context, e.g., when we have 25 children with 4 children per group then there are 6 groups with 1 child left over.	Unit 4, Session 23 Unit 5, Sessions 7, 8			
Problem-solving with whole numbers				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.MR.03.15 Given problems that use any one of the four operations with appropriate numbers, represent with objects, words (including “product” and “quotient”), and mathematical statements; solve.	Unit 1, Sessions 4, 7–9, 19 Unit 2, Sessions 18, 22, 23, 25–27 Unit 4, Sessions 9, 12–14, 19, 23 Unit 5, Sessions 2, 5, 7, 8, 10, 13, 17 Unit 6, Sessions 7, 8 Unit 7, Sessions 12–17	November Computational Fluency January Computational Fluency March Magnetic Board April Computational Fluency April Magnetic Board May Magnetic Board 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 6 & 8 Set F1 Problem Solving: Strategies, Activities 1, 2 & 3, and Independent Worksheets 1–9 Bridges Practice Book, pp 16, 24, 25, 28, 36, 62, 66, 76, 80	Unit 4, pages 514–516 (Instructional Considerations for Solving Game Store Problems) Bridges Practice Book, pp 16, 24, 25, 28, 36, 62, 66, 76, 80
				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

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

NUMBER & OPERATIONS				
Understand simple fractions, relations to the whole, and addition and subtraction of fractions				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.ME.03.16 Understand that fractions may represent a portion of a whole unit that has been partitioned into parts of equal area or length; use the terms “numerator” and “denominator.”	Unit 3, Sessions 11–12 Unit 6, Sessions 5, 7–9, 11–18	December Magnetic Board January Magnetic Board April Calendar Grid May Calendar Grid Number Corner Student Book, p 29	Set A5 Number & Operations: Fractions, Activity 1 and Independent Worksheets 1 & 2 Bridges Practice Book, pp 8, 30, 103, 112, 114, 125, 133	Informal Number Corner Teacher’s Guide, pp 159–165 (Number Corner Student Book p 29)
				Formal Unit 6, Sessions 2 & 18 (Unit Pre- and Post-Assessments)
N.ME.03.17 Recognize, name, and use equivalent fractions with denominators 2, 4, and 8, using strips as area models.	Unit 6, Session 6, 8, 9, 13, 14	December Magnetic Board January Magnetic Board April Calendar Grid May Calendar Grid	Set A5 Number & Operations: Fractions, Activity 1	Formal Number Corner Teacher’s Guide, pp 322–324 (Checkup 4)
N.ME.03.18 Place fractions with denominators of 2, 4, and 8 on the number line; relate the number line to a ruler; compare and order up to three fractions with denominators 2, 4, and 8.	Unit 3, Sessions 11, 12 Unit 6, Session 5–9, 11–18	Dec–Feb Magnetic Board April Calendar Grid May Calendar Grid	Set A5 Number & Operations: Fractions, Activity 1 and Independent Worksheets 1 & 2 Bridges Practice Book, pp 30, 103, 108, 109, 110, 112, 114, 115, 116, 117, 125, 128, 133	Informal Bridges Practice Book, pp 30, 103, 109, 112, 114, 115, 116, 117, 125, 133. 128. 133
				Formal Unit 6, Sessions 2 & 18 (Unit Pre- and Post-Assessments) Number Corner Teacher’s Guide, pp 322–324 (Checkup 4)
N.ME.03.19 Understand that any fraction can be written as a sum of unit fractions, e.g., $\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$.	Unit 6, Session 6–8, 11–13, 16	May Calendar Grid	Set A5 Number & Operations: Fractions, Activity 1	
N.MR.03.20 Recognize that addition and subtraction of fractions with equal denominators can be modeled by joining or taking away segments on the number line.	Unit 6, Session 6–8, 11–13, 16	May Calendar Grid	Set A5 Number & Operations: Fractions, Activity 1 Bridges Practice Book, pp 117,	
Understand simple decimal fractions in relation to money				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
N.ME.03.21 Understand and relate decimal fractions to fractional parts of a dollar, e.g., $\frac{1}{2}$ dollar = \$0.50; $\frac{1}{4}$ dollar = \$0.25.	Unit 2, Session 20 Unit 2, pp 282–284 (WP 2F) Unit 6, Session 1	September Clocks, Coins & Bills February Calendar Grid February Magnetic Board April Magnetic Board May Calendar Grid	Bridges Practice Book, pp 11, 13, 32	

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

MEASUREMENT				
Measure and use units for length, weight, temperature and time				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
M.UN.03.01 Know and use common units of measurements in length, weight, and time.	Unit 1, Session 15 Unit 1, pp 113–115 (WP 1E) Unit 2, Session 15 Unit 2, pp 248–250 (WP 2C) Unit 2, p 312 (HC 8) Unit 4, Session 11 Unit 4, pp 498–500 (WP 4D) Unit 4, p 521 (HC 15) Unit 5, Session 9 Unit 5, pp 621–623 (WP 5C)	September Calendar Grid October Clocks, Coins & Bills 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 Set D1 Measurement: Weight, Activities 1 & 2 Bridges Practice Book, pp 12, 17, 20, 22, 34, 70, 120	Formal Number Corner Teacher's Guide, pp 6, 92–94, 266–268 (Baseline Checkup and Checkups 1 & 3)
M.UN.03.02 Measure in mixed units within the same measurement system for length, weight, and time: feet and inches, meters and centimeters, kilograms and grams, pounds and ounces, liters and milliliters, hours and minutes, minutes and seconds, years and months.	Unit 1, Session 15 Unit 1, pp 113–115 (WP 1E) Unit 2, Session 15 Unit 2, pp 248–250 (WP 2C) Unit 2, p 312 (HC 8) Unit 4, Session 11 Unit 4, pp 498–500 (WP 4D) Unit 4, p 521 (HC 15) Unit 5, Session 9 Unit 5, pp 621–623 (WP 5C) Unit 6, Session 10 Unit 6, pp 735–734 (WP 6B) Unit 7, Session 9 Unit 8, Sessions 7, 8, 10, 11, 14	March Data Collector October Clocks, Coins & Bills November Clocks, Coins & Bills December Clocks, Coins & Bills January Calendar Grid January Clocks, Coins & Bills March Clocks, Coins & Bills	Set C2 Geometry: Triangles & More, Activities 1–3 and Ind. Worksheets 1–3	Formal Number Corner Teacher's Guide, pp 266–268 (Checkup 3)
M.UN.03.03 Understand relationships between sizes of standard units, e.g., feet and inches, meters and centimeters.	Unit 4, Session 11 Unit 4, p 521 (HC 15) Unit 6, Session 9 Unit 6, p 759 (HC 24) Unit 7, Session 9 Unit 8, Session 2		Set A2 Number & Operation: Basic Multiplication & Division, Independent Worksheet 8 Set A7 Number & Operations: Multiplication Beyond the Basics, Independent Worksheets 2 & 3 Set D1 Measurement: Weight, Activities 1 & 2 Bridges Practice Book, pp 15, 22, 37, 68, 82, 130,	

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

MEASUREMENT				
Measure and use units for length, weight, temperature and time				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
M.UN.03.04 Know benchmark temperatures such as freezing (32°F, 0°C); boiling (212°F, 100°C); and compare temperatures to these, e.g., cooler, warmer.		November Magnetic Board November Data Collector December Calendar Grid January Data Collector Number Corner Student Book, pp 18–20, 24, 26, 31–33, 38		
Understand the meaning of area and perimeter and apply in problems				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
M.UN.03.05 Know the definition of area and perimeter and calculate the perimeter of a square and rectangle given whole number side lengths.	Unit 5, Sessions 7, 8 Unit 7, Session 8	October Calendar Grid October Magnetic Board March Data Collector Number Corner Student Book, p 53	Supplement Set D2 Measurement: Area, Activities 1 & 2 and Ind. Worksheet 1 Supplement Set D5 Measurement: Area in US Customary Units, Activities 1 & 2 and Independent Worksheet 1 Supplement Set D6 Measurement: Area in Metric Units, Activities 1 & 2 and Independent Worksheet 1 Bridges Practice Book, pp 44, 46, 48, 50, 54, 60, 106, 119, 130, 134	Informal Bridges Practice Book, pp 44, 46, 48, 54, 119
				Formal Number Corner Teacher's Guide, pp 266–268 (Checkup 3)
M.UN.03.06 Use square units in calculating area by covering the region and counting the number of square units.	Unit 7, Session 8	October Calendar Grid October Magnetic Board	Supplement Set D2 Measurement: Area, Activities 1 & 2 and Ind. Worksheet 1 Supplement Set D5 Measurement: Area in US Customary Units, Activity 1 Supplement Set D6 Measurement: Area in Metric Units, Activity 1	Informal Supplement Set D2 Measurement: Area, Independent Worksheet 1
M.UN.03.07 Distinguish between units of length and area and choose a unit appropriate in the context.	Unit 5, Sessions 7, 8 Unit 7, Sessions 12–17	October Magnetic Board		

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

MEASUREMENT				
Understand the meaning of area and perimeter and apply in problems				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
M.UN.03.08 Visualize and describe the relative sizes of one square inch and one square centimeter.	Unit 7, Session 8		Supplement Set D5 Measurement: Area in US Customary Units, Activities 1 & 2 and Independent Worksheet 1 Supplement Set D6 Measurement: Area in Metric Units, Activities 1 & 2 and Independent Worksheet 1	
Estimate perimeter and area				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
M.TE.03.09 Estimate the perimeter of a square and rectangle in inches and centimeters; estimate the area of a square and rectangle in square inches and square centimeters.	Not Addressed		Supplement Set D5 Measurement: Area in US Customary Units, Activities 1 & 2 and Independent Worksheet 1 Supplement Set D6 Measurement: Area in Metric Units, Activities 1 & 2 and Independent Worksheet 1	Informal Supplement Set D5 Measurement: Area in US Customary Units, Independent Worksheet 1 Supplement Set D6 Measurement: Area in Metric Units, Independent Worksheet 1
Solve measurement problems				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
M.PS.03.10 Add and subtract lengths, weights, and times using mixed units within the same measurement system.	Unit 1, Session 15 Unit 2, Session 15 Unit 4, Session 11 Unit 4, p 521 (HC 15) Unit 5, Session 9 Unit 5, pp 621–623 (WP 5C)	October Clocks, Coins & Bills November Clocks, Coins & Bills December Clocks, Coins & Bills January Calendar Grid March Data Collector March Clocks, Coins & Bills	Set A7 Number & Operations: Multiplication Beyond the Basics, Independent Worksheets 2 & 3 Bridges Practice Book, pp 17, 20, 37, 120	Formal Number Corner, pages 92–93, 266–268 (Checkups 1, 3)
M.PS.03.11 Add and subtract money in dollars and cents.	Unit 2, Session 27 Unit 2, pp 325–326 (WP 2J) Unit 5, Session 5 Unit 6, Sessions 1, 3, 4 Unit 6, pp 706–707 (WP 6A) Unit 6, p 715 (HC 22)	September Clocks, Coins & Bills January Clocks, Coins & Bills February Clocks, Coins & Bills February Magnetic Board April Clocks, Coins & Bills April Magnetic Board May Clocks, Coins & Bills	Bridges Practice Book, pp 32, 118, 129,	Formal Unit 6, Sessions 2 & 20 (Unit Pre- and Post-Assessments) Number Corner, pp 200–202, 322–324 (Checkups 2 & 4)

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

MEASUREMENT				
Solve measurement problems				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
M.PS.03.12 Solve applied problems involving money, length, and time.	Unit 1, Session 15 Unit 2, Sessions 15, 27 Unit 5, Session 5, 16, 17 Unit 5, p 675 (HC 21) Unit 6, Sessions 1, 3, 4 Unit 6, p 715 (HC 22) Unit 8, Sessions 2, 7, 8, 10, 11, 14	December Clocks, Coins & Bills January Clocks, Coins & Bills February Clocks, Coins & Bills April Clocks, Coins & Bills May Clocks, Coins & Bills		Formal Unit Pre- and Post Assessments: Unit 5, Sessions 1 & 20 Unit 6, Sessions 2 & 20 Number Corner, pp 6, 92–93, 200–202, 266–268 (Baseline Checkup and Checkups 1, 2, 3)
M.PS.03.13 Solve contextual problems about perimeters of rectangles and areas of rectangular regions.	Unit 5, Session 7, 8	March Data Collector	Bridges Practice Book, pp 50, 60, 106, 130, 134, 135	Informal Bridges Practice Book, pp 50, 60, 106, 130, 134, 135

GEOMETRY				
Recognize the basic elements of geometric objects				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
G.GS.03.01 Identify points, line segments, lines, and distance.	Unit 3, Session 11 Unit 5, Sessions 16, 17 Unit 5, p 675 (HC 21)		Set C2 Geometry: Triangles & More, Activity 1 and Independent Worksheets 1 & 2 Bridges Practice Book, pp 41, 42, 52, 57,	Informal Set C2 Geometry: Triangles & More, Independent Worksheet 1 and/or 2
G.GS.03.02 Identify perpendicular lines and parallel lines in familiar shapes and in the classroom.	Unit 3, Sessions 3, 9, 11 Unit 7, Sessions 5, 6	March Calendar Grid	Bridges Practice Book, pp 42, 43, 45, 58, 139, 140	Informal Unit 3, Session 9 (Instructional Considerations for Geoboard Polygons)
G.GS.03.03 Identify parallel faces of rectangular prisms in familiar shapes and in the classroom.	Unit 7, Session 5	March Calendar Grid		
Name and explore properties of shapes				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
G.GS.03.04 Identify, describe, compare, and classify two-dimensional shapes, e.g., parallelogram, trapezoid, circle, rectangle, square, and rhombus, based on their component parts (angles, sides, vertices, line segment) and on the number of sides and vertices.	Unit 3, Sessions 2–4, 8, 9, 12, 13 Unit 3 pp 360–362, 401–402, 416–417 (WP's 3A 3C, 3D) Unit 7, Sessions 3–7	November Calendar Grid March Calendar Grid April Calendar Grid	Set C2 Geometry: Triangles and More, Activity 2 and Independent Worksheets 3 & 4 Bridges Practice Book, pp 43, 45, 46, 47, 55, 56, 139, 140	Informal Set C2 Geometry: Triangles and More, Independent Worksheets 3 & 4
				Formal Unit 3, pp 421–426 (Constructed Response Assessment)

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

GEOMETRY				
Name and explore properties of shapes				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
G.SR.03.05 Compose and decompose triangles and rectangles to form other familiar two-dimensional shapes, e.g., form a rectangle using two congruent right triangles, or decompose a parallelogram into a rectangle and two right triangles.	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, p 49	Formal Unit 3, pages 421-426 (Constructed Response Assessment)
Explore and name three-dimensional solids				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
G.GS.03.06 Identify, describe, build, and classify familiar three-dimensional solids, e.g., cube, rectangular prism, sphere, pyramid, cone, based on their component parts (faces, surfaces, bases, edges, vertices).	Unit 3, Sessions 2, 13, 14 Unit 7, Sessions 3–8, 10, 11	March Calendar Grid		Formal Unit 3, pages 421-426 (Constructed Response Assessment) Unit 7, Sessions 2 & 20 (Unit Pre- and Post-Assessments) Number Corner Teacher's Guide, pp 266–268 (Checkup 3)
G.SR.03.07 Represent front, top, and side views of solids built with cubes.	Unit 7, Session 3, 6, 7, 11	March Calendar Grid		Formal Number Corner Teacher's Guide, pp 266–268 (Checkup 3)
DATA AND PROBABILITY				
Use bar graphs				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
D.RE.03.01 Read and interpret bar graphs in both horizontal and vertical forms.	Unit 1, Sessions 2, 3, 20 Unit 2, pages 227–229 (Analyzing Outcomes for Blast Off to Space) Unit 3, Session 6 Unit 4, Sessions 3, 17 Unit 6, Sessions 9, 16 Unit 6, page 775 (Home Connection 25) Unit 8, Sessions 11, 13, 15	October Data Collector December Data Collector February Data Collector April Data Collector Number Corner Student Book, pages 15–16, 28, 49		Informal Bridges Practice Book, pages 2, 4, 6, 15, 102, 132
				Formal Unit 6, Sessions 2 & 18 (Unit Pre- and Post-Assessment) Number Corner Teacher's Guide, pages 200–202 (Checkup 2)

Bridges Grade 3 Correlations to Michigan Mathematics Grade Level Expectations (cont.)

DATA AND PROBABILITY				
Use bar graphs				
GLCE's	Bridges	Number Corner	Bridges Supplement	Assessments
D.RE.03.02 Read scales on the axes and identify the maximum, minimum, and range of values in a bar graph.	Unit 7, Sessions 18, 19 Unit 8, Sessions 5, 11, 13, 15			Formal Unit 7, Sessions 2 & 20 (Unit Pre- and Post-Assessments)
D.RE.03.03 Solve problems using information in bar graphs, including comparison of bar graphs.	Unit 1, Sessions 3, 20 Unit 8, Sessions 5, 11, 13, 15	December Data Collector February Data Collector		Formal Number Corner, pp 200–202 (Checkup 2)

