

# Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning

NUMBER & NUMBER SENSE				
Focus: Place Value, Number Patterns, and Fraction Concepts				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.1a</b> The student will read, write, and identify the place value of each digit in a three-digit numeral, using numeration models	Unit 5, Sessions 3–8, 10, 12–17, 24, 28 Unit 6, Sessions 4–8 Unit 7, Sessions 1, 2, 16, 18–23	Sept & Oct Coin Collector October Daily Number Chart Feb, March & May Coin Collector	Set A4 Number & Operations: Place Value, Activities 1–5 Set A5 Number & Operations: Multi-Digit Addition & Subtraction, Activity 1 Bridges Practice Book, pp 29, 48, 60, 67, 72, 87, 92	<b>Informal</b> Unit 5, p 555 (Observation Checklist) Bridges Practice Book, pp 29, 48, 60, 67, 72, 87, 92
				<b>Formal</b> Unit 5, Sessions 1 & 35 (Unit Pre- and Post-Assessment) Number Corner Student Book, pp 9, 36, 56 (Checkups 1–3)
<b>2.1b</b> The student will round two-digit numbers to the nearest ten.	Unit 5, Sessions 22, 23 Unit 5, pages 623–626 (WP 9B)			
<b>2.1c</b> The student will compare two whole numbers between 0 and 999, using symbols (>, <, or =) and words (greater than, less than, or equal to).	Unit 5, Sessions 2, 3, 15, 16, 18, 20, 21 Unit 5, pg. 497 (HC 17) Unit 5, p 578 (HC 20) Unit 6, p 720 (HC 26)	September–May Hundreds Grid September–May Daily Number Chart	Set A4 Number & Operations: Place Value, Activities 1–5 Set A7 Number & Operations: Numbers to 1,000 on a Line or Grid, Activities 1 & 2 and Independent Worksheets 1 & 2 Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activity 5 Bridges Practice Book, pp 7, 43, 48, 72, 105, 128, 141	<b>Informal</b> Bridges Practice Book, pp 105, 128, 141
<b>2.2a</b> The student will identify the ordinal positions first through twentieth, using an ordered set of object		September–May Calendar Grid	Set A8 Number & Operations: Ordinal Numbers, Activities 1 & 2 and Independent Worksheets 1–3	<b>Informal</b> Set A8 Number & Operations: Ordinal Numbers, Independent Worksheet 1
<b>2.2b</b> The student will write the ordinal numbers.			Set A8 Number & Operations: Ordinal Numbers, Independent Worksheets 1 & 2	
<b>2.3 a</b> The student will identify the parts of a set and/or region that represent fractions for halves, thirds, fourths, sixths, eighths, and tenths	Unit 1, Session 19 Unit 4, Sessions 9, 11, 14, 16, 17 Unit 7, Session 5–7 Unit 7, pp 793–808 (WP10B, 10C & 10D) Unit 7, p 787 (HC 28)	December Magnetic Tile January Magnetic Tile January Calendar Grid March Calendar Grid	Bridges Practice Book, pp 71, 83, 126, 138, 139	<b>Informal</b> Bridges Practice Book, pp 126, 138

## Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning (cont.)

NUMBER & NUMBER SENSE				
Focus: Place Value, Number Patterns, and Fraction Concepts				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.3b</b> The student will write the fractions	Unit 1, Session 19 Unit 4, Sessions 9, 11, 14, 16, 17 Unit 7, Session 5–7 Unit 7, pp 793–808 (WP10B, 10C & 10D) Unit 7, p 787 (HC 28)	December Magnetic Tile January Magnetic Tile January Calendar Grid March Calendar Grid	Bridges Practice Book, pp 71, 83, 126, 138, 139	<b>Informal</b> Bridges Practice Book, pp 126, 138
<b>2.3c</b> The student will compare the unit fractions for halves, thirds, fourths, sixths, eighths, and tenths.	Unit 7, p 787 (HC 28) Unit 7, Sessions 5, 7 Unit 7, pp 802–804 (WP 10D)	December Magnetic Tile January Calendar Grid January Magnetic Tile March Calendar Grid	Bridges Practice Book, pp 139	
<b>2.4a</b> The student will count forward by twos, fives, and tens to 100, starting at various multiples of 2, 5, or 10	Unit 1, Sessions 11, 12, 17 Unit 1, pp 47–48, 90–92, 96–97 (WP's 2F, 3B, 3F) Unit 1, pp 65, 83 (HC's 2, 3) Unit 2, p 141 (HC 5) Unit 4, p 437 (HC 15) Unit 5, Session 31 Unit 6, p 720 (HC 26) Unit 7, Session 3 Unit 7, p 859 (HC 31)	October Hundreds Grid	Set A5 Number & Operations: Multi-Digit Addition & Subtraction, Activity 2 Set A7 Number & Operations: Numbers to 1,000 on a Line or Grid, Activities 1, 2 and Independent Worksheet 2 Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activities 3–5 Bridges Practice Book, pp 9, 19, 32, 40, 43, 49, 50, 78, 80, 82, 99, 144	
<b>2.4b</b> The student will count backward by tens from 100	Unit 6, p 720 (HC 26)		Set A5 Number & Operations: Multi-Digit Addition & Subtraction, Activity 2 Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activities 3–5 Bridges Practice Book, pp 118	
<b>2.4c</b> The student will recognize even and odd numbers.	Unit 3, Sessions 12, 13, 20 Unit 3, pages 292–294 (WP 5E)	September Daily Number Chart October Daily Number Chart October Magnetic Tile May Magnetic Tile	Set A4 Number & Operations: Place Value, Independent Worksheet 2 Bridges Practice Book, p 133	

## Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning (cont.)

COMPUTATION & ESTIMATION				
Focus: Number Relationships and Operations				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.5</b> The student will recall addition facts with sums to 20 or less and the corresponding subtraction facts.	Unit 3, Sessions 16–22 Unit 3, pp 233–237 (WP's 4B, 4C, 4D) Unit 5, Session 24 Technology Connections Book, pp 14–17, and 26–27 (Technology Connections 4, 5, 10)	October Magnetic Tile November Hundreds Grid January–March, May Workout Wheel January–April Base 10 Bank Number Corner Student Book, pp 1, 5, 7, 12, 28–31, 47, 48	Bridges Practice Book, pp 3, 5, 9, 11, 13, 14, 17, 23, 27, 31, 33, 35, 37, 41, 45, 47, 49, 51, 53, 55, 56, 57, 59, 63, 64, 69, 71, 73, 77, 79, 85, 112, 122	<b>Informal</b> Unit 3, pp 229–230 (Observation Checklist) Bridges Practice Book, pp 37, 41, 45, 49, 55, 57, 59, 69, 112
				<b>Formal</b> Unit 1, pp 55–61 (Individual Interview) Unit 3, Sessions 3, 6, 23, 24 (Unit 3 Pre- and Post-Assessments) Number Corner Student Book, pp 9, 36, 55–56, 85–86 (Checkups 1–4)
<b>2.6a</b> The student, given two whole numbers whose sum is 99 or less, will estimate the sum.	Unit 5, Sessions 22, 23 Unit 5, pp 623–626 (WP 9B)		Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activities 1, 2 Bridges Practice Book, pp 110, 111	<b>Formal</b> Unit 5, Sessions 1 & 32 (Unit Pre- and Post-Assessments)
<b>2.6b</b> The student, given two whole numbers whose sum is 99 or less, will find the sum, using various methods of calculation.	Unit 5, Sessions 3, 6–10, 21–25 Unit 5, pp 627–628, 631–633 (WP's 9D, 9F) Unit 7, Session 9 Unit 7, pp 807–808 (WP 10F)	January–February Base Ten Bank	Set A5 Number & Operations: Multi-Digit Addition & Subtraction, Activity 4 Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activities 1, 2 and Independent Worksheets 1–3, 7 Bridges Practice Book, pp 94, 98, 100, 102, 103, 108, 112, 114, 118, 121, 122, 130, 131, 133, 137, 142	<b>Formal</b> Unit 5, Sessions 1 & 32 (Unit Pre- and Post-Assessments) Unit 7, Sessions 2 & 29 (Unit Pre- and Post-Assessments)
<b>2.7a</b> The student, given two whole numbers, each of which is 99 or less, will estimate the difference.	Unit 5, Session 13		Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activities 6, 7 Bridges Practice Book, pp 110, 111	

## Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning (cont.)

COMPUTATION & ESTIMATION				
Focus: Number Relationships and Operations				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.7b</b> The student, given two whole numbers, each of which is 99 or less, will find the difference, using various methods of calculation.	Unit 5, Sessions 3, 6–10, 13, 20, 24, 25 Unit 5, pp 559–560, 631–633 (WP 8B, 9F) Unit 7, Session 9	March–April Base Ten Bank	Set A5 Number & Operations: Multi-Digit Addition & Subtraction, Activity 4 Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activities 3–7 and Independent Worksheets 4–7 Bridges Practice Book, pp 96, 103, 106, 109, 112, 120, 121, 122, 130, 131, 133, 135, 142	<b>Formal</b> Unit 5, Sessions 1 & 32 (Unit Pre- and Post-Assessments) Unit 7, Sessions 2 & 29 (Unit Pre- and Post-Assessments)
<b>2.8</b> The student will create and solve one- and two-step addition and subtraction problems, using data from simple tables, picture graphs, and bar graphs.	Unit 5, Session 20 Unit 7, Session 6 Unit 7, pp 804–808 (WP's 10E, 10F) Unit 7, p 819 (HC 29; see also Home Connections, p 126)		Bridges Practice Book, pp 52, 54, 94, 98, 105, 107, 113, 124, 141	
<b>2.9</b> The student will recognize and describe the related facts that represent and describe the inverse relationship between addition and subtraction.		October Magnetic Tile November Hundreds Grid December Hundreds Grid	Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Activities 3–7 and Independent Worksheet 6 Bridges Practice Book, pp 11, 17, 23, 27, 31, 33, 35, 37, 41, 45, 57, 63, 64, 73, 77, 79, 85, 106, 109, 120	

MEASUREMENT				
Focus: Money, Linear Measurement, Weight/Mass, and Volume				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.10a</b> The student will count and compare a collection of pennies, nickels, dimes, and quarters whose total value is \$2.00 or less.	Unit 1, Session 7 Unit 1, pages 42–43 (WP 2B) Unit 5, Sessions 12, 14, 26, 28 Unit 5, pages 556–558, 565–568, 621–623, 629–630 (WP's 8A, 8E, 9A, 9E) Unit 7, Session 1	September Coin Collector October Coin Collector February Coin Collector March Coin Collector	Set A6 Number & Operations: Money, Activities 1 & 2 and Independent Worksheet 1 Bridges Practice Book, pp 15, 25, 68, 76, 87, 90, 115, 144	<b>Informal</b> Unit 5, page 555 (Observation Checklist) Bridges Practice Book, pp 15, 25, 68, 76, 87, 90, 115, 144  <b>Formal</b> Number Corner Student Book, pp 10, 38 & 88 (Checkups 1, 2, & 4) Unit 5, Sessions 1 & 35 (Unit 5 Pre- and Post-Assessments)

## Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning (cont.)

MEASUREMENT				
Focus: Money, Linear Measurement, Weight/Mass, and Volume				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.10b</b> The student will correctly use the cent symbol (¢), dollar symbol (\$), and decimal point (.).	Unit 7, Session 1	September, October, and May Coin Collector	Set A6 Number & Operations: Money, Activities 1 & 2 and Ind. Worksheet 1 Bridges Practice Book, pp 68, 116	<b>Informal</b> Set A6 Number & Operations: Money, Ind. Worksheet 1 Bridges Practice Book, pp 68, 115
<b>2.11a</b> The student will estimate and measure length to the nearest centimeter and inch.	Unit 2, pp 161 & 182 (HC's 6 & 7) Unit 7, Sessions 3, 9 Unit 7, pp 752–753 (HC 27) Unit 7, pp 807–808 (Work Place 10F)		Set D2 Measurement: Length in U.S. Customary Units, Activities 4–8 Set D3 Measurement: Length in Metric Units, Activities 1–3 Bridges Practice Book, pp 20, 24, 30, 44, 124, 126, 128	<b>Informal</b> Bridges Practice Book, pp 20, 24, 30, 44, 124, 126, 128
				<b>Formal</b> Number Corner Student Book, pgs 37, 87 (Checkups 2 & 4)
<b>2.11b</b> The student will estimate and measure weight/mass of objects in pounds/ounces and kilograms/grams, using a scale.	Unit 6, p 679 (HC 24)		Set D1 Measurement: Duration, Activities 4, 6	
<b>2.11c</b> The student will estimate and measure liquid volume in cups, pints, quarts, gallons, and liters.	Unit 6, p 699 (HC 25)		Set D1 Measurement: Duration, Activities 5, 6	
<b>2.12</b> The student will tell and write time to the nearest five minutes, using analog and digital clocks.	Unit 1, Session 17 Unit 1, pp 90–92 (WP 3B) Unit 7, p 872 (HC 32)	October Bean Clock December Bean Clock March Bean Clock April Bean Clock May Bean Clock	Set D5 Measurement: Telling Time, Activities 1 & 2 and Independent Worksheets 1–5 Bridges Practice Book, pp 39, 58, 91, 98, 104, 116, 136, 143	<b>Formal</b> Number Corner Student Book, pp 10, 37 & 87 (Checkups 1, 2 & 4)
<b>2.13a</b> The student will determine past and future days of the week.		Sept–May Calendar Grid	Bridges Practice Book, p 132	
<b>2.13b</b> The student will identify specific days and dates on a given calendar.		Sept–May Calendar Grid	Bridges Practice Book, p 132	
<b>2.14</b> The student will read the temperature on a Celsius and/or Fahrenheit thermometer to the nearest 10 degrees.			Set D1 Measurement: Duration, Activity 6 Set D6 Measurement: Temperature, Activities 1–3	

## Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning (cont.)

GEOMETRY				
Focus: Symmetry and Plane and Solid Figures				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.15a</b> The student will draw a line of symmetry in a figure.	Unit 4, Session 12 Unit 4, p 407 (HC 14)		Bridges Practice Book, p 65	
<b>2.15b</b> The student will identify and create figures with at least one line of symmetry.	Unit 3, Sessions 10,11 Unit 4, Sessions 12, 13, 18–20 Unit 4, pgs. 427–428 (WP 7D) Unit 4, Page 437 (HC 15) Technology Connections Book, pp 20–21 (Technology Connection 7)		Bridges Practice Book, p 65	
<b>2.16</b> The student will identify, describe, compare, and contrast plane and solid geometric figures (circle/ sphere, square/cube, and rectangle/ rectangular prism).	Unit 4, Sessions 2–4, 6, 10, 18, 19, 20 Unit 4, pp 343, 458 (HC's 12, 16) Unit 4, pp 363–364, 372–373 (WP's 6A, 6F)	December Calendar Grid May Calendar Grid	Bridges Practice Book, pp 61, 65	<b>Formal</b> Unit 4, Sessions 1 & 21 (Unit Pre- and Post-Assessments)

PROBABILITY & STATISTICS				
Focus: Applications of Data				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.17</b> The student will use data from experiments to construct picture graphs, pictographs, and bar graphs.	Unit 3, Sessions 3, 4, 6, 16 Unit 5, Sessions 14, 19, 20, 27 Unit 5, pp 565–568, 629–603 (WP's 8E, 9E) Unit 6, Session 10 Unit 6, p 699 (HC 25) Unit 7, Sessions 4, 6–8, 10–12, 17, 26, 27 Unit 7, p 819 (HC 29) Unit 7, pp 795–797, 802–803 (WP's 10A, 10D) Technology Connections Book, pp 26–27 (Technology Connection 10)	November Calendar Grid December Magnetic Tile January Magnetic Tile February Calendar Grid April Calendar Grid		<b>Informal</b> Unit 7, Session 27 (Work Sample) Bridges Practice Book, pages 106, 112, 123
				<b>Formal</b> Unit 7, Sessions 1 & 29 (Unit 7 Pre- and Post-Assessments)

## Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning (cont.)

PROBABILITY & STATISTICS				
Focus: Applications of Data				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.18</b> The student will use data from experiments to predict outcomes when the experiment is repeated.	Unit 3, Sessions 4, 16 Unit 3, pp 208–210, 221–222 (Roll & Add, Roll & Subtract) Unit 3, p 223 (HC 8) Unit 3, pp 231–232, 235–237, 285–287 (WP's 4A, 4C, 4D, 5B) Unit 5, Sessions 14, 19, 20, 27, 28, 31, 32 Unit 5, pp 565–568, 629–603 (WP's 8E, 9E) Unit 6, Sessions 5–7, 10, 11 Unit 7, Sessions 6–8, 13 Unit 7, pp 802–807 (WP's 10D, 10E)	December Magnetic Tile January Magnetic Tile		
<b>2.19</b> The student will analyze data displayed in picture graphs, pictographs, and bar graphs.	Unit 3, Sessions 3, 4, 6, 16 Unit 4, Session 12 Unit 5, Sessions 20, 27 Unit 6, Sessions 10, 11 Unit 7, Sessions 4, 6–8, 13, 17, 28 Technology Connections Book, pp 26–27 (Technology Connection 10)	January Magnetic Tile February Calendar Grid	Bridges Practice Book, pp 25, 106, 112, 123	<b>Informal</b> Bridges Practice Book, pages 106, 112, 123
				<b>Formal</b> Unit 6, Session 13 (Unit 6 Post-Assessment) Unit 7, Sessions 1 & 29 (Unit 7 Pre- and Post-Assessments)

PATTERNS, FUNCTIONS & ALGEBRA				
Focus: Patterning and Numerical Sentences				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.20</b> The student will identify, create, and extend a wide variety of patterns.	Unit 1, Sessions 6, 7, 9–12, 17, 22 Unit 1, pp 42–43, 47–48, 96–97 (Work Places 2B, 2F, 3F) Unit 4, Sessions 24, 25 Unit 4, p 437 (HC 15)	Sept–May Calendar Grid Sept, Oct Daily Number Chart Sept–Nov, Jan–May Hundreds Grid Sept, Oct, Dec Bean Clock May Magnetic Tile	Set A7 Number & Operations: Numbers to 1,000 on a Line or a Grid, Activities 1 & 2 and Independent Worksheets 1 & 2 Bridges Practice Book, pp 13, 19, 21, 49, 118, 144	<b>Informal</b> Unit 1, Session 12 (Work Sample) Unit 3, Session 25 (Work Sample)
				<b>Formal</b> Unit 1, Sessions 1 & 23 (Unit Pre- and Post-Assessment) Number Corner Teacher's Guide, pp 192–193, 242–243 (Checkups 3, 4)

## Bridges Grade 2 Correlations to Virginia Mathematics Standards of Learning (cont.)

PATTERNS, FUNCTIONS & ALGEBRA				
Focus: Patterning and Numerical Sentences				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>2.21</b> The student will solve problems by completing numerical sentences involving the basic facts for addition and subtraction. The student will create story problems, using the numerical sentences.	Unit 2, Sessions 7, 9–11 Unit 3, pp 276 (HC 10) Unit 5, Sessions 3, 5–10 Unit 7, Sessions 15, 18–23		Set A2 Number & Operations: Solving Equations, Activities 1 & 2 and Independent Worksheets 1 & 2 Set A9 Number & Operations: More Multi-Digit Addition & Subtraction, Independent Worksheet 8 Bridges Practice Book, pp 13, 17, 23, 27, 31, 35, 49, 75, 85, 86, 122	<b>Informal</b> Bridges Practice Book, pp 49, 75, 85, 86, 122
<b>2.22</b> The student will demonstrate an understanding of equality by recognizing that the symbol = in an equation indicates equivalent quantities and the symbol $\neq$ indicates that quantities are not equivalent.			Set A2 Number & Operations: Solving Equations, Activities 1 & 2 and Independent Worksheets 1 & 2 Bridges Practice Book, pp 11, 13, 17, 31, 35, 49, 75, 85, 86, 121	<b>Informal</b> Bridges Practice Book, pp 49, 75, 85, 86, 121