

# Bridges Grade 1 Correlations to Virginia Mathematics Standards of Learning

NUMBER & NUMBER SENSE				
Focus: Place Value and Fraction Concepts				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>1.1a</b> The student will count from 0 to 100 and write the corresponding numerals	Unit 1, Session 2 Unit 2, Sessions 11, 14 Unit 3, Session 21 Unit 4, pages 535–538 (Penguin Pairs, Counting by 2's) Unit 6, pages 907–912 (Building 4's with Unifix Cubes)	March Thursday Challenge 4 April Thursday Challenge 1	Set A1 Number & Operations: Numbers to 120, Activities 1–4 Set A5 Number & Operations: Place Value, Activities 1–3 Bridges Practice Book, pp 1, 2, 3, 11, 13, 15, 19, 20, 23, 24, 30, 36, 43, 46, 49, 50, 72	<b>Informal</b> Bridges Practice Book, pp 1, 2, 3, 11, 13, 15, 19, 20, 23, 24, 30, 36, 43, 46, 49, 50, 72
<b>1.1b</b> The student will group a collection of up to 100 objects into tens and ones and write the corresponding numeral to develop an understanding of place value.	Unit 1, Sessions 2, 13 Unit 2, Sessions 1, 10, 11, 19–22 Unit 3, Sessions 1, 2, 11, 12 Unit 4, pp 472–473 (Help, A Skual!) Unit 6, pp 769–770, 779–782, 792–794, 814–816, 822–824, 832–834, 848–850, 856–859 (Farm Purchases) Unit 6, pp 868–871, 878–879 (Hens & Horses Hundreds Grids)	October Thursday Challenge 4 November Wed. Challenges 1–3 December Monday Challenge 3 December Wed. Challenge 3 December Thurs. Challenges 1–3 January Monday Challenges 1–3 January, pp 300–301 (St. Support 7B)	Set A1 Number & Operations: Numbers to 120, Activity 3 Set A5 Number & Operations: Place Value, Activities 1–3 Bridges Practice Book, pp 21, 23, 25, 26, 30, 42	<b>Informal</b> Bridges Practice Book, pp 19, 25, 26, 30
				<b>Formal</b> Unit 3, pp 396–398 (Interview 2)
<b>1.2</b> The student will count forward by ones, twos, fives, and tens to 100 and backward by ones from 30.	Unit 1, Sessions 2, 13 Unit 2, Sessions 10, 11, 13, 14, 17, 18, 23, 24 Unit 3, Sessions 1–3, 6, 11, 12, 14–18, 21 Unit 4, pp 433–435 (Journey to Antarctica) Unit 4, p 444 (Ten Little Penguins) Unit 4, pp 525–528 (Penguin Pairs) Unit 4, pp 535–538 (Counting by 2's with Penguin Pairs)	September, pp 26–28 (Days This Month Chart) September, pp 29–31 (Days in School Chart) October Monday Challenge 1 October Tuesday Challenge 3 October, pp 121–122 (St. Supp 3B) Nov. Wed. & Thurs. Challenges 1–4 February Tuesday Challenges 1–2 February, pp 298–300, St. Supp 7A March Tuesday Challenges 1–4 Mar, pp 349–351 (St. Supp 8B, 8C) April Tuesday Challenges 1–2, 4 May Wednesday Challenges 3–4 May, pp 430–431, St. Supp 10C,10D)	Set A1 Numbers & Operations: Numbers to 120, Activities 1, 4 Bridges Practice Workbook, pp 1, 2, 3, 9, 11, 16, 19, 20, 23, 27, 30, 33, 36, 42, 43, 46, 48, 70	<b>Informal</b> Unit 3, pp 299–302 (Solving Student Crab & Sea Star Picture Problems on Paper) Bridges Practice Workbook, pp 1, 2, 3, 9, 11, 16, 19, 20, 23, 27, 30, 33, 36, 42, 43, 46, 48, 70
				<b>Formal</b> Unit 1, pp 110–112 (Sorting & Counting the Bugs) Unit 2, pp 270–271 (Interview 3) Unit 3, pp 396–398 (Interview 2) Number Corner, pp 119–120, 163–165, 347–348, 427–428 (Assessments 3, 4, 8, 10)
<b>1.3</b> The student will identify the parts of a set and/or region that represent fractions for halves, thirds, and fourths and write the fractions.	Unit 1, Sessions 6, 7 Unit 2, Session 12	November Thursday Challenge 4 May Tuesday Challenge 1	Set A6 Number & Operations: Fractions, Activities 1–3 Set C4 Geometry: Symmetry Calendar Pattern	

# Bridges Grade 1 Correlations to Virginia Mathematics Standards of Learning (cont.)

COMPUTATION & ESTIMATION				
Focus: Whole Number Operations				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>1.4a &amp; b</b> The student, given a familiar problem situation involving magnitude, will select a reasonable order of magnitude from three given quantities: a one-digit numeral, a two-digit numeral, and a three-digit numeral (e.g., 5, 50, 500), and explain the reasonableness of the choice.	Unit 2, Sessions 20–22 Unit 3, Session 21 Unit 4, Session 13	Sept–May Fridays Figuring Challenges 1–4 Nov Wednesday Challenges 1–4 Dec Wednesday Challenges 1–3 March Thursday Challenges 1–3 May/June Monday Challenges 1, 2 May/June Thursday Challenges 1, 2	Set A1 Number & Operations: Numbers to 120, Activities 2, 3 Set A2 Number & Operations: Numerals to 1000, Activities 1–3 Set A5 Number & Operations: Place Value, Activities 1–3	
<b>1.5</b> The student will recall basic addition facts with sums to 18 or less and the corresponding subtraction facts.	Unit 2, Sessions 2, 3, 5, 8, 15, 19–21 Unit 2, pages 240–241 (WP 21) Unit 3, Session 4, 5, 7, 15–16 Unit 4, pages 454–455, 481–483, 491–492, 499–500 (Travel Games)	September–May Friday Chal. 1–4 September Wednesday Chal. 1–3 October Wednesday Chal. 1–2 October Thursday Chal. 4 January Thursday Chal. 1–2, 4 February Thursday Chal. 1–4 March Wednesday Chal. 1–2 April Wednesday Chal. 1–2, 4 April Thursday Chal. 2	Set A4 Number & Operations: Equivalent Equations, Activities 1, 2 Set A7 Number & Operations: Addition & Subtraction, Activities 1–4 Set B1 Algebra: Properties & Relationships, Activities 1–3 and Independent Worksheets 1–3 Bridges Practice Book, pp 6, 12, 14, 15, 18, 22, 24, 31, 32, 34, 35, 38, 40, 41, 51, 53, 54, 56, 63, 64	<b>Informal</b> Unit 3, p 321 (Instructional Considerations for Ten or Bust!) Number Corner Student Book, pp 3, 7, 8, 27, 33, 39, 48 Bridges Practice Book, pp 18, 22, 31, 32, 34, 35, 38, 40, 51, 54, 64
				<b>Formal</b> Unit 2, pp 265–269 (Int. 1 & 2) Unit 3, pp 395–396 (Int. 1) Number Corner, pp 119, 297–298 (Assessments 3, 7)
<b>1.6</b> The student will create and solve one-step story and picture problems using basic addition facts with sums to 18 or less and the corresponding subtraction facts.	Unit 1, Sessions 6–9 Unit 2, Sessions 2, 3, 8, 15, 23–25 Unit 3, Sessions 1, 2, 7, 11–13, 15, 16 Unit 4, Sessions 14–17 Unit 5, Session 12 Unit 6, pp 902–903, 912–915 (Farm Animal Story Problems)	September–May Friday’s Figuring	Set A3 Number & Operations: Addition & Subtraction on the Number Line, Activities 1–3 Bridges Practice Book, pp 4, 5, 8, 9, 25, 26, 34, 35, 44, 45, 47, 48, 56, 63, 69, 70, 71, 72	<b>Informal</b> Students’ picture problems and problem solving responses from Units 1, 2, 3, 4, and 6

MEASUREMENT				
Focus: Time and Non-Standard Measurement				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>1.7a</b> The student will identify the number of pennies equivalent to a nickel, a dime, and a quarter	Unit 1, Sessions 19, 20 Unit 2, Sessions 17, 18 Unit 3, Sessions 3, 6, 7, 14	September – May Friday Figuring Sept – May Monday Challenges	Bridges Practice Book, p 68	<b>Informal</b> Bridges Practice Book, p 68

## Bridges Grade 1 Correlations to Virginia Mathematics Standards of Learning (cont.)

MEASUREMENT				
Focus: Time and Non-Standard Measurement				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>1.7b</b> The student will determine the value of a collection of pennies, nickels, and dimes whose total value is 100 cents or less.	Unit 1, Sessions 19, 20 Unit 2, Sessions 17, 18 Unit 3, Sessions 3, 6, 7, 14 Unit 2, p 225-226 (WP 2H) Unit 3, pp 308-309, 325-326, 329-330, 360-361 (Work Places 3A, 3D, 3E, 3G) Unit 3, p 331 (HC 8)	September–May Friday Figuring Sept–May Monday Challenges	Bridges Practice Book, pp 16, 23, 27, 33, 57, 68	<b>Informal</b> Number Corner Student Book pp 37, 40, 41, 50) Bridges Practice Book, pp 16, 27, 33
				<b>Formal</b> Number Corner, pp 163, 205, 347, 427 (Assessments 4, 5, 8, 10)
<b>1.8</b> The student will tell time to the half-hour, using analog and digital clocks.		November Tues. Challenges 2–4 December Tues. Challenges 1–3 January Tuesday Challenge 4 March Tuesday Challenge 1 April Tuesday Challenge 1 May Tuesday Challenges 1–2	Set D7 Measurement: Telling Time, Activities 1–3 Bridges Practice Book, pp 28, 61, 62	<b>Informal</b> Bridges Practice Book, pp 28, 61, 62
				<b>Formal</b> Number Corner, pp 119–120, 249–250 (Assessments 3, 6)
<b>1.9</b> The student will use non-standard units to measure length, weight/mass, and volume.	Unit 1, pp 20–21 (WP 1A) Unit 4, Sessions 4, 5, 7–10, 12, 14 (Measuring Penguin Height activities)		Set A5 Number & Operations: Place Value, Activity 3 Set D2 Measurement: Length in Non-Standard Units, Activities 1–3 Set D4 Measurement: Weight in Non-Standards Units, Activities 1–3 Set D5 Measurement: Capacity, Activities 1–3 Bridges Practice Book, pp 52, 67	
<b>1.10a</b> The student will compare, using the concepts of more, less, and equivalent, the volumes of two given containers.			Set D5 Measurement: Capacity, Activities 1–3	
<b>1.10b</b> The student will compare, using the concepts of more, less, and equivalent, the weight/mass of two objects, using a balance scale.			Set D3 Measurement: Comparing Weight, Activities 1–3 Set D4 Measurement: Weight in Non-Standards Units, Activities 1–3	

# Bridges Grade 1 Correlations to Virginia Mathematics Standards of Learning (cont.)

MEASUREMENT				
Focus: Time and Non-Standard Measurement				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<p><b>1.11</b> The student will use calendar language appropriately (e.g., names of the months, today, yesterday, next week, last week).</p>		<p>September, pp 21–25 (The Calendar Grid, continued every month through May)</p> <p>September–May Friday Challenges</p> <p>October Wednesday Challenge 4</p> <p>April Tuesday Challenge 3</p> <p>May Tuesday Challenge 4</p>	<p>Sets A9, C2, C3, C4, C5, C6, C7, C8: Calendar Patterns</p> <p>Bridges Practice Book, p 49</p>	<p><b>Informal</b></p> <p>Bridges Practice Book, p 49</p>

GEOMETRY				
Focus: Characteristics of Plane Figures				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<p><b>1.12</b> The student will identify and trace, describe, and sort plane geometric figures (triangle, square, rectangle, and circle) according to number of sides, vertices, and right angles.</p>	<p>Unit 1, Session 1 (WP 1B &amp; 1C)</p> <p>Unit 1, Session 4 (WP 1F)</p> <p>Unit 2, Session 12</p> <p>Unit 2, pp 170–174 (Day 2 and Work Place 2E)</p> <p>Unit 5, Sessions 1–6, 10–14, 16, 17, 19</p> <p>Unit 5, p 654 (HC 12)</p> <p>Unit 5, pp 591–594, Pattern Blocks</p> <p>Computer Work Places 1–4</p> <p>Unit 6, pp 776–779, 810–813, 876–878 (Model Farms)</p>	<p>Sept Thursday Challenges 1–2</p>	<p>Set C6 Geometry: 2-D Shape Attributes Calendar Pattern</p> <p>Set C8 Geometry: Congruent Shapes Calendar Pattern</p> <p>Bridges Practice Book, pp 59, 60</p>	<p><b>Informal</b></p> <p>Bridges Practice Book, pp 59, 60</p>
				<p><b>Formal</b></p> <p>Unit 5, pp 734–736 (Interview 2)</p>
<p><b>1.13</b> The student will construct, model, and describe objects in the environment as geometric shapes (triangle, rectangle, square, and circle) and explain the reasonableness of each choice.</p>	<p>Unit 1, Sessions 1, 4 (WP's 1B, 1C, 1F)</p> <p>Unit 2, Session 12</p> <p>Unit 2, pp 170–174 (Day 2 and Work Place 2E)</p> <p>Unit 5, Sessions 1–6, 10–14, 16, 17, 19</p> <p>Unit 5, p 654 (HC 12)</p> <p>Unit 5, pp 591–594 (Pattern Blocks)</p> <p>Computer Work Places 1–4</p> <p>Unit 5, pp 703–705 (WP 4I)</p> <p>Unit 6, pp 776–779, 810–813, 876–878 (Model Farms)</p>	<p>September Thursday Chal. 1–2</p>	<p>Set C3 Geometry: 2-D Shapes Around Us Calendar Pattern</p> <p>Bridges Practice Book, pp 55, 58, 59, 60</p>	<p><b>Informal</b></p> <p>Bridges Practice Book, pp 55, 58, 59, 60</p>
				<p><b>Formal</b></p> <p>Unit 5, pp 734–736 (Interview 2)</p>

## Bridges Grade 1 Correlations to Virginia Mathematics Standards of Learning (cont.)

PROBABILITY & STATISTICS				
Focus: Data Collection & Interpretation				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>1.14</b> The student will investigate, identify, and describe various forms of data collection (e.g., recording daily temperature, lunch count, attendance, favorite ice cream), using tables, picture graphs, and object graphs.	Unit 1, Sessions 5, 10, 11, 12, 14, 18, 19, 20 Unit 2, Session 1 Unit 2, pp 240–241 (Work Place 2I) Unit 3, Sessions 8–10 Unit 5, Session 17	October, pp 97, 99–100 (Tuesday's Temperature & Tally) November, pp 135, 136 (Tuesday's Temperature & Tally)	Set E1 Data Analysis: Bar Graphs, Activities 1 & 2 Set D2 Measurement: Length in Non-Standard Units, Activity 3 Bridges Practice Book, pp 6, 10	<b>Informal</b> Unit 3, page 343 (Instructional Considerations for Sea Creatures Sorting & Graphing) Bridges Practice Book, pps 6, 10
<b>1.15</b> The student will interpret information displayed in a picture or object graph, using the vocabulary more, less, fewer, greater than, less than, and equal to.	Unit 1, Sessions 5, 10–12, 14, 18–20 Unit 2, Session 1 Unit 3, Session 8, 10 Unit 5, Session 17	September Tuesday Challenge 3 October, p 97 (Tues. Temperature) October pp 99–100 (Tues. Tally) November, p 136 (Tues. Tally)	Set E1 Data Analysis: Bar Graphs, Activities 1 & 2 Set D2 Measurement: Length in Non-Standard Units, Activity 3 Bridges Practice Book, pp 27, 29	<b>Informal</b> Unit 3, p 343 (Instructional Considerations for Sea Creatures Sorting & Graphing) Bridges Practice Book, pp 27, 29

PATTERNS, FUNCTIONS & ALGEBRA				
Focus: Patterning and Equivalence				
Standards	Bridges	Number Corner	Bridges Supplement	Assessments
<b>1.16</b> The student will sort and classify concrete objects according to one or more attributes, including color, size, shape, and thickness.	Unit 1, Sessions 11, 12, 16–18 Unit 3, Sessions 8, 9 Unit 4, pp 555–559, 565–567 (Penguin Sorting) Unit 5, Sessions 2, 6, 13, 16, 17, 19	September Monday Challenge 1 September Thursday Challenge 1 October Thursday Challenge 1		
<b>1.17</b> The student will recognize, describe, extend, and create a wide variety of growing and repeating patterns.	Unit 2, Sessions 6, 7, 10, 13, 14 Unit 3, Sessions 20, 21 Unit 4, Sessions 12, 13 Unit 6, pp 863–866 (Putting the Farm Quilt Together) Unit 6, pp. 897–901, 907–912 (4's on the Farm)	September–May Calendar Grid (See Number Corner, Vol. 1, pp 12–14) Sept. Monday Challenges 2 & 3 Sept. Thursday Challenges 1 & 4 October Thurs. Challenges 2 & 3	Set A9 Number & Operations: Number Puzzles Calendar Pattern Sets C2, C3, C4, C5, C6, C7, C8 Geometry: Calendar Patterns Bridges Practice Book, p 49	<b>Formal</b> Grade 1 Number Corner Baseline Assessment Unit 1, pp 270–271 (Pattern Assessment)
<b>1.18</b> The student will demonstrate an understanding of equality through the use of the equal sign.		March Wednesday Challenge 2 April Monday Challenges 1-4 April Wednesday Challenges 1-3 April Thursday Challenge 1	Set A3 Number & Operations: Addition and Subtraction on the Number Line, Activity 2 Set A4 Number & Operations: Equivalent Names, Activities 1 & 2 Bridges Practice Book, p 51	<b>Informal</b> Bridges Practice Book, p 51

