

Bridges Grade 5 Correlations to Virginia Mathematics Standards of Learning

NUMBER & NUMBER SENSE					
Focus: Prime and Composite Numbers and Rounding Decimals					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.1 The student, given a decimal through thousandths, will round to the nearest whole number, tenth, or hundredth.				Set A11 Number & Operations: Multiplying Decimals, Ind. Worksheet 1 Bridges Practice Book, p 14	Number Corner Teacher's Guide, pp 110–114, 320–324 (Checkups 1, 3)
5.2a The student will recognize and name fractions in their equivalent decimal form and vice versa.	Unit 6, Sessions 2, 3, 8–13, 15, 16	Home Connections, Vol. 2: HC's 50, 51, 53, 54, 55, 57, 58	November Calendar Grid February Calendar Grid March Computational Fluency	Bridges Practice Book, pp 71, 73, 75, 84, 103, 104, 105, 106, 111, 112, 113, 130, 135	Formal Unit 6, Sessions 1 & 19 (Unit Pre- and Post-Assessments) Number Corner Teacher's Guide, Vol. 1 & 2, pps 57–60, 232–236, 320–324, 400–404 (Baseline Assessment, Checkups 2, 3 & 4)
5.2b The student will compare and order fractions and decimals in a given set from least to greatest and greatest to least.	Unit 4, Sessions 12, 18 Unit 6, Sessions 9, 13, 16 Unit 6, pages 894–895 (WP 6C)	Home Connections, Vol. 2: HC's 51, 53, 58	November Calendar Grid February Calendar Grid April Computational Fluency	Set A6 Number & Operations, Fraction Concepts, Activity 1 Bridges Practice Book, pp 73, 75, 84, 102, 103, 104, 105, 106, 130, 135	Informal Bridges Practice Book, pp 73, 75, 84, 102, 103, 104, 105, 106, 130, 135
					Formal Unit 6, Sessions 1 & 19 (Unit Pre- and Post Assessments) Number Corner, Vol. 2, pp 400–404 (Checkup 4)
5.3a The student will identify and describe the characteristics of prime and composite numbers.	Unit 1, Session 9, 11, 12	Home Connections, Vol. 1: HC 5	Sept. Computational Fluency March Problem Solving Number Corner Student Book, pp 10, 136–137, 139–140	Bridges Practice Book, pp 3, 13, 15, 19, 89	Informal Bridges Practice Book, pp 3, 15, 89
					Formal Unit 1, Sessions 4 & 21 (Unit Pre- and Post-Assessments) Number Corner, Vol. 2, pages 400–404 (Checkup 4)
5.3b The student will identify and describe the characteristics of even and odd numbers.			September Computational Fluency March Problem Solving		Number Corner Teacher's Guide, pp 57–60, 110–114 (Baseline Assessment, Checkup 1)

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COMPUTATION & ESTIMATION					
Focus: Multistep Applications and Order of Operations					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.4 The student will create and solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division with and without remainders of whole numbers.	Unit 1, Sessions 7, 8, 13, 14 Unit 2, Sessions 2, 3, 5–17 Unit 4, Sessions 2–10 Unit 5, Sessions 12, 13 Unit 6, Session 10 Unit 7, Sessions 1, 2, 7–13 Unit 8, Sessions 6 & 8	Home Connections, Vol. 1: HC's 2–4, 6, 34–35, 37, 41 Home Connections, Vol. 2: HC's 49, 52, 54–58, 61, 64	Sept–May Problem Solving	Set A4 Number & Operations: Long Division, Activities 1 & 2 Set E1 Data Analysis: Probability & Technology, Activities 1 & 2 and Ind. Worksheet 1 Bridges Practice Book, pp 10, 17, 18, 19, 20, 26, 28, 30, 32, 34, 36, 40, 46, 48, 52, 53, 54, 57, 60, 64, 65, 69, 70, 72, 74, 85, 86, 90, 91, 92, 100, 125, 126, 128, 132, 134, 135, 138	Formal Unit Pre- and Post-Assessments: Unit 2, Sessions 4 & 21 Unit 4, Sessions 1 & 23
5.5a The student will find the sum, difference, product, and quotient of two numbers expressed as decimals through thousandths (divisors with only one nonzero digit).	Unit 6, Session 14 Unit 6, pages 887–890 and 894–895 (Work Place 6C)	Home Connections, Vol. 2: HC's 55, 56, 58	March Computational Fluency Number Corner Student Book pp 167, 175	Set A11 Number & Operations: Multiplying Decimals, Activities 1–4 and Ind. Worksheets 1–5 Bridges Practice Book, pp 112, 113, 114, 115, 116, 118, 119, 120, 130, 137, 138	Informal Bridges Practice Book, pp 114, 115, 137 Formal Unit Pre/Post Assessments Unit 4, Sessions 1 & 23 Unit 6, Sessions 1 & 19 Number Corner Teacher's Guide, pp 320–324, 400–404 (Checkups 3 & 4)
5.5a The student will create and solve single-step and multistep practical problems involving decimals.	Unit 6, Session 14	Home Connections, Vol. 2: HC 52, 55, 56, 58		Set A11 Number & Operations: Multiplying Decimals, Activities 1–4 and Ind. Worksheets 1–5 Bridges Practice Book, pp 28, 34, 116, 120, 138	

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COMPUTATION & ESTIMATION					
Focus: Multistep Applications and Order of Operations					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.6 The student will solve single-step and multistep practical problems involving addition and subtraction with fractions and mixed numbers and express answers in simplest form.	Unit 4, Sessions 11–16, 19, 20–22 Unit 6, Sessions 5–7, 14 Unit 6, page 890 (Challenge) Unit 6, page 895 (Challenge)	Home Connections, Vol. 1: HC's 23, 40, 41 Home Connections, Vol. 2: HC 51, 52, 56, 58	November Calendar Grid Nov. Calendar Collector March Computational Fluency April Computational Fluency Number Corner Student Book, p 58	Set A6 Number & Operations: Fraction Concepts, Activity 2 and Independent Worksheets 2 & 3 Bridges Practice Book, pp 78, 80, 93, 94, 95, 119, 133, 134, 135, 136	Informal Work Samples: Unit 4, Sessions 15, 16 Unit 6, Sessions 6, 14 Bridges Practice Book, pp 76, 77, 107, 108, 109, 110, 127, 129, 133, 135
					Formal Unit Pre/Post Assessments Unit 4, Sessions 1 & 23 Unit 6, Sessions 1 & 19 Number Corner Teacher's Guide, pp 57–60, 320–324, 400–404 (Baseline Assessment, Checkups 3 & 4)
5.7 The student will evaluate whole number numerical expressions, using the order of operations limited to parentheses, addition, subtraction, multiplication, and division.	Unit 1, Sessions 7, 13, 14 Unit 1, pp 107–109 (WP 1B) Unit 2, Sessions 2, 3, 5–9, 11, 13 Unit 4, Session 3 Unit 7, Sessions 1, 2	Home Connections, Vol. 1 HC's 6, 7, 13, 14, 17, 18, 33, 41 Home Connections, Vol. 2 HC's 42, 47, 48, 59	Jan. Computational Fluency	Bridges Practice Book, pp 11, 12, 121, 122, 124	Formal Unit Pre/Post Assessments Unit 1, Sessions 4 & 21 Unit 7, Sessions 3 & 16

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MEASUREMENT					
Focus: Perimeter, Area, Volume, and Equivalent Measures					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.8a The student will find perimeter, area, and volume in standard units of measure.	Unit 1, Session 7 Unit 2, Sessions 1, 2 Unit 3, Sessions 1, 3, 4, 16	Home Connections, Vol. 1: HC's 11, 13, 18, 20 Home Connections, Vol. 2: HC 65	October Calendar Grid March Problem Solving January Calendar Grid April Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activities 3 & 4 and Ind. Worksheets 4–6 Set D1 Measurement: Area & Perimeter, Activities 1–4, and Ind. Worksheets 1, 2 Set D2 Measurement: Volume, Activities 1 & 2, and Ind. Worksheets 1 & 2 Bridges Practice Book, pp 20, 40, 45, 46, 48, 47, 51, 52, 53, 54, 57, 58, 59, 60, 65, 69, 72, 85, 91, 134	Formal Unit Pre/Post Assessments Unit 2, Sessions 4 & 21 Unit 3, Session 22 Number Corner Teacher's Guide, pp 232–236, 400–404 (Checkups 2, 4)
5.8b The student will differentiate among perimeter, area, and volume and identify whether the application of the concept of perimeter, area, or volume is appropriate for a given situation.	Unit 3, Sessions 20, 21		January Calendar Grid April Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activity 3 Set D1 Measurement: Area & Perimeter, Activities 1 & 2, and Ind. Worksheet 1 Set D2 Measurement: Volume, Activity 1 and Independent Worksheets 1 & 2	Informal Set D1 Measurement: Area & Perimeter, Ind. Worksheet 1 Set D2 Measurement: Volume, Ind. Worksheet 2
5.8c The student will identify equivalent measurements within the metric system.	Unit 1, Session 1 Unit 2, Sessions 1, 2 Unit 6, Session 13	Home Connections, Vol. 1: HC's 11, 15, 18		Bridges Practice Book, pp 27, 74	
5.8d The student will estimate and then measure to solve problems, using U.S. Customary and metric units.	Unit 1, Session 1 Unit 2, Session 2 Unit 3, Sessions 6–10, 13–16 Unit 4, Sessions 6, 9 Unit 4, p 553 (WP 4C) Unit 6, Session 13 Unit 7, Session 8 Unit 8, Session 1	Home Connections, Vol. 1 HC's 11, 15, 18, 20, 25, 26 Home Connections, Vol. 2 HC 62	Nov. Calendar Collector Dec. Calendar Collector January Calendar Collector March Calendar Grid May Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activities 3 & 4 and Ind. Worksheets 4–6 Set D1 Measurement: Area & Perimeter, Activities 1–4, and Ind. Worksheets 1, 2 Set D2 Measurement: Volume, Activities 1 & 2, and Ind. Worksheets 1 & 2 Bridges Practice Book, pp 27, 43, 44, 48, 54, 58, 74, 91	Formal Number Corner Vol. 1 & 2, pp 110–114, 232–236, 320–324, (Checkups 1–3)

Bridges Grade 5 Correlations to Virginia Mathematics Standards of Learning (cont.)

MEASUREMENT					
Focus: Perimeter, Area, Volume, and Equivalent Measures					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.8e The student will choose an appropriate unit of measure for a given situation involving measurement using U.S. Customary and metric units.	Unit 1, Session 1 Unit 2, Session 2 Unit 3, Sessions 6–10, 13–16 Unit 4, Sessions 6, 9 Unit 4, p 553 (WP 4C) Unit 6, Session 13 Unit 7, Session 8 Unit 8, Session 1	Home Connections, Vol. 1 HC's 11, 15, 18, 20, 25, 26 Home Connections, Vol. 2 HC 62	Nov. Calendar Collector Dec. Calendar Collector January Calendar Collector March Calendar Grid May Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activities 3 & 4 and Ind. Worksheets 4–6 Set D1 Measurement: Area & Perimeter, Activities 1–4, and Ind. Worksheets 1, 2 Set D2 Measurement: Volume, Activities 1 & 2, and Ind. Worksheets 1 & 2 Bridges Practice Book, pp 27, 43, 44, 48, 54, 58, 74, 91	Formal Number Corner Vol. 1 & 2, pp 110–114, 232–236, 320–324, (Checkups 1–3)
5.9 The student will identify and describe the diameter, radius, chord, and circumference of a circle.	Unit 3, Session 8 Unit 8, Session 1	Home Connections, Vol. 2 HC's 66, 67, 68	May Calendar Grid		
5.10 The student will determine an amount of elapsed time in hours and minutes within a 24-hour period.	Unit 4, page 517 (Challenge) Unit 6, Sessions 5, 6		March Calendar Collector April Problem Solving	Bridges Practice Book, pp 17, 18, 86,	Formal Number Corner Teacher's Guide, Vol. 2 pp 320–324 (Checkup 3)
5.11 The student will measure right, acute, obtuse, and straight angles.	Unit 3, Sessions 6–10, 15 Unit 8, Session 1	Home Connections, Vol. 1: HC's 26	September Calendar Grid May Calendar Grid Number Corner Student Book, pages 180, 181, 197		Informal Unit 3, Session 9 (Work Sample)
					Formal Unit 3, Sessions 5 & 22 (Unit Pre- and Post-Assessments and Student Reflection Sheet)

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GEOMETRY					
Focus: Classification and Subdividing					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.12a The student will classify angles as right, acute, obtuse, or straight.	Unit 3, Sessions 2, 6, 8, 9, 10, 13, 14, 17 Unit 8, Session 1		September Calendar Grid May Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activities 1 & 2 and Ind. Worksheets 1–4 Bridges Practice Book, pp 41, 43, 44, 140	Formal Unit 3, Sessions 5 & 22 (Unit Pre- and Post-Assessments)
5.12b The student will classify triangles as right, acute, obtuse, equilateral, scalene, or isosceles.	Unit 3, Sessions 7, 12–14, 16		October Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activity 1 and Ind. Worksheets 1 & 2 Bridges Practice Book, pp 43, 44, 97, 140	Informal Set C1 Geometry: Triangles & Quadrilaterals, Independent Worksheets 1 and/or 2
5.13a The student, using plane figures (square, rectangle, triangle, parallelogram, rhombus, and trapezoid), will develop definitions of these plane figures.	Unit 3, Sessions 1–4, 6–8, 11–14, 16, 17 Unit 3, pp 434–433 (WP 3B)	Home Connections, Vol. 1: HC's 24, 27, 29 Home Connections, Vol. 2: HC's 66, 67, 68	September Calendar Grid October Calendar Grid December Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activities 1 & 2 and Ind. Worksheets 1–4 Bridges Practice Book, pp 41, 42, 43, 44, 97, 140	Formal Unit 3, Sessions 5 & 22 (Unit Pre- and Post-Assessments) Number Corner Vol. 2, pp 400–404 (Checkup 4)
5.13b The student, using plane figures (square, rectangle, triangle, parallelogram, rhombus, and trapezoid), will investigate and describe the results of combining and subdividing plane figures.	Unit 3, Sessions 1–4, 7, 12, 14 Unit 3, page 336 (Challenge)	Home Connections, Vol. 1: HC 23	September Calendar Grid October Calendar Grid December Calendar Grid	Set C1 Geometry: Triangles & Quadrilaterals, Activities 1–4 and Independent Worksheets 1–6 Bridges Practice Book, pp 20, 40, 45, 46, 47, 51, 52, 53, 54, 58, 72, 85, 91	

PROBABILITY & STATISTICS					
Focus: Outcomes and Measures of Center					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.14 The student will make predictions and determine the probability of an outcome by constructing a sample space.	Unit 5, Sessions 6, 7, 11, 14, 15	Home Connections, Vol. 2: HC's 45, 46	Sept. Calendar Collector Feb. Calendar Collector	Set E1 Data Analysis: Probability & Technology, Activities 1 & 2 and Independent Worksheet 1	Formal Unit 5, Sessions 2 & 19 (Unit Pre- and Post-Assessment)

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PROBABILITY & STATISTICS					
Focus: Outcomes and Measures of Center					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.15 The student, given a problem situation, will collect, organize, and interpret data in a variety of forms, using stem-and-leaf plots and line graphs.	Unit 1, Sessions 2, 3, 20 Unit 5, Sessions 1, 3–7, 11, 13–18 Unit 7, Session 7, 15 Unit 8, Sessions 6, 8	Home Connections, Vol. 2: HC's 42, 43, 45, 46, 47, 48, 52, 58, 64	Sept. Calendar Collector October Calendar Collector December Calendar Collector January Calendar Collector February Calendar Collector March Calendar Collector	Set A4 Number & Operations: Long Division, Act. 2 Set E1 Data Analysis: Probability & Technology, Activities 1 & 2 and Independent Worksheet 1 Bridges Practice Book, pp 87, 88, 93, 94, 95, 96, 136	Formal Unit 5, Sessions 2 & 19 (Unit Pre- and Post-Assessments) Unit 8, Session 12 (Post-Assessment) Number Corner Teacher's Guide, Vol. 1 & 2, pp 58–60, 111–114, 232–236, 320–324, 400–404 (Baseline, Checkups 1–4)
5.16a The student will describe mean, median, and mode as measures of center.	Unit 1, Sessions 19, 20 Unit 5, Sessions 4, 5 Unit 8, Session 6	Home Connections, Vol. 1: HC 9 Home Connections, Vol. 2: HC 43	October Calendar Collector		Formal Unit 5, Session 19 (Unit Post-Assessment)
5.16b The student will describe mean as fair share.	Unit 1, Sessions 19, 20 Unit 5, Sessions 4, 5 Unit 8, Session 6	Home Connections, Vol. 1: HC 9 Home Connections, Vol. 2: HC 43	October Calendar Collector		Formal Unit 5, Session 19 (Unit Post-Assessment)
5.16c The student will find the mean, median, mode, and range of a set of data.	Unit 1, Sessions 19, 20 Unit 5, Session 4, 5, 15 Unit 7, Session 15 Unit 8, Sessions 6, 8	Home Connections, Vol. 1: HC's 9, 10 Home Connections, Vol. 2: HC's 43, 47, 69	October Calendar Collector January Calendar Collector Number Corner Student Book, pp 26, 100–101	Set A4 Number & Operations: Long Division, Activities 1 & 2	Informal Unit 8, Session 8 (Work Sample)
					Formal Unit 5, Sessions 2 & 19 (Unit Pre- and Post-Assessment) Unit 8, Session 12 (Unit Post-Assessment) Number Corner Teacher's Guide, Vol. 1 & 2, pp 111–114, 232–236, 320–324, 400–404 (Checkups 1–4)
5.16d The student will describe the range of a set of data as a measure of variation.	Unit 1, Sessions 19, 20 Unit 5, Sessions 4, 5 Unit 8, Session 6	Home Connections, Vol. 1: HC 9 Home Connections, Vol. 2: HC 43	October Calendar Collector		Formal Unit 5, Session 19 (Unit Post-Assessment)

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PATTERNS, FUNCTIONS, AND ALGEBRA					
Focus: Equations & Properties					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.17 The student will describe the relationship found in a number pattern and express the relationship.	Unit 1, Sessions 5, 6, 16–18 Unit 2, Sessions 1, 2 Unit 4, Session 10 Unit 5, Sessions 9, 10 Unit 7, Sessions 4–9	Home Connections, Vol. 1: HC's 2, 3, 8 Home Connections, Vol. 2: HC 61	November Calendar Grid January Calendar Grid February Calendar Grid February Problem Solving Apr. Calendar Grid May Calendar Grid	Bridges Practice Book, pp 6, 7, 8, 33, 61, 123, 124	Informal Unit 1, Session 6 (Work Sample) Unit 7, Sessions 5, 7 (Work Samples)
					Formal Unit Pre- and Post Assmts: Unit 1, Sessions 4 & 21 Unit 7, Sessions 3 & 16
5.18a The student will investigate and describe the concept of variable.	Unit 1, Sessions 16–18 Unit 7, Sessions 2, 10, 11, 12				Formal Unit 7, Sessions 3 & 16 (Unit Pre- & Post-Assessments)
5.18b The student will write an open sentence to represent a given mathematical relationship, using a variable.	Unit 1, Session 16,17 Unit 3, Session 6 Unit 7, Sessions 1, 2, 4–7, 9–13	Home Connections, Vol. 1: HC's 8, 25 Home Connections, Vol. 2: HC's 60–64	November Problem Solving	Set B1 Algebra: Diagrams & Equations, Activity 1 and Ind. Worksheets 1 & 2 Bridges Practice Book, pp 124, 125, 126, 128	Informal Work Samples: Unit 1, Session 18 Unit 7, Session 12 Bridges Practice Book, pp 126, 128
					Formal Unit 7, Sessions 3 & 16 (Unit Pre- and Post-Assessments)
5.18c The student will model one-step linear equations in one variable, using addition and subtraction.	Unit 1, Session 16, 17 Unit 3, Session 6 Unit 7, Sessions 1, 2, 4–7, 9–13	Home Connections, Vol. 1: HC's 8, 25 Home Connections, Vol. 2: HC's 60–64	November Problem Solving	Set B1 Algebra: Diagrams & Equations, Activity 1 and Ind. Worksheets 1 & 2 Bridges Practice Book, pp 124, 125, 126, 128	Informal Work Samples: Unit 1, Session 18 Unit 7, Session 12 Bridges Practice Book, pp 126, 128
					Formal Unit 7, Sessions 3 & 16 (Unit Pre- and Post-Assessments)

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PATTERNS, FUNCTIONS, AND ALGEBRA					
Focus: Equations & Properties					
Standards	Bridges	Home Connections	Number Corner	Bridges Supplement	Assessment
5.18d The student will create a problem situation based on a given open sentence, using a single variable.	Unit 7, Sessions 7, 8, 10–13	Home Connections, Vol. 1: HC's 23, 24, 25 Home Connections, Vol. 2: HC's 62, 64, 65	April Problem Solving May Problem Solving	Set B1 Algebra: Diagrams & Equations, Activity 1 and Ind. Worksheets 1 & 2 Bridges Practice Book, pp 31, 124, 125, 126, 128	Informal Unit 7, Session 12 (Work Sample) Bridges Practice Book, pp 126, 128
					Formal Unit 7, Sessions 3 & 16 (Unit Pre- and Post Assessments)
5.19 The student will investigate and recognize the distributive property of multiplication over addition	Unit 1, Sessions 7, 13, 14 Unit 2, Sessions 2, 3, 5–9, 11, 13 Unit 4, Session 3 Unit 7, Sessions 1, 2	Home Connections, Vol. 1 HC's 6, 7, 13, 14, 17, 18, 33, 41 Home Connections, Vol. 2 HC's 42, 47, 48,	January Computational Fluency	Bridges Practice Book, pp 4, 12, 19, 22, 24, 62, 63, 122	

