Lesson Plan Overview

Math 2, 5th Edition

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| Chapter 1: Addition Facts | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 1 Counting On 1 or 2; Zero Principle | | | |
| Teacher Edition  6–9  Worktext  2–4 | 1.1 Identify the addends and sum of an addition equation.  1.2 Use the counting on strategy to add 1 or 2.  1.3 Apply the Zero Principle of Addition to add.  1.4 Recall that people are made in the image of God.   BWS Caring (recall) | Visuals   * Puppets: Matt, Paddy * Number Line   Student Manipulatives   * Puppets: Matt, Paddy * Number Line   BJU Press Trove\*   * Video: “Packing for a Trip” * Link: Math Fact Practice * PPT pres.: Lesson 001 | Reviews   * Pp. 1–2 |
| Lesson 2  Adding with 5; Order Principle | | | |
| Teacher Edition  10–13  Worktext  5–6 | 2.1 Add with 5.  2.2 Apply the Order Principle of Addition to add.  2.3 Write an equation for an addition word problem. | Visuals   * Number Cards: 0–20   Student Manipulatives   * Number Cards: 0–9 * Lodge Workmat   BJU Press Trove   * Link: Linking Cubes * PPT pres.: Lesson 002 | Reviews   * Pp. 3–4 |
| Lesson 3 Adding Doubles; Bar Graphs | | | |
| Teacher Edition  14–17  Worktext  7–8 | 3.1 Add doubles.  3.2 Make a bar graph.  3.3 Interpret a bar graph.  3.4 Write an addition equation by using a bar graph. | Teacher Edition   * IA 3: Favorite Colors Bar Graph   Student Manipulatives   * Number Cards: 0–20   BJU Press Trove   * Link: Linking Cubes * PPT pres.: Lesson 003 | Reviews   * Pp. 5–6 |

\*Digital resources for homeschool users are available on Homeschool Hub.

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| Pages | Objectives | Resources | Assessments |
| Lesson 4  Adding Near Doubles | | | |
| Teacher Edition  18–21  Worktext  9–10 | 4.1 Add near doubles (double + 1).  4.2 Solve word problems by using near doubles.  4.3 Explain why people should use math to care for others.  BWS Caring (explain) | Visuals   * Counters: 20 construction workers   Student Manipulatives   * Number Cards: 0–20 * Counters: 20 construction workers * Construction Site Workmat   BJU Press Trove   * PPT pres.: Lesson 004 | Reviews   * Pp. 7–8 |
| Lesson 5  Writing Names for 10; Missing Addends | | | |
| Teacher Edition  22–25  Worktext  11–12 | 5.1 Write addition equations for names for 10.  5.2 Apply the Order Principle of  Addition to add.  5.3 Complete missing-addend  equations.  5.4 Write a missing-addend equation for a word problem. | Visuals   * Money Kit: 9 dimes   Student Manipulatives   * Number Cards: 0–20 * Ten Bar Mat   BJU Press Trove   * Link: Linking Cubes * PPT pres.: Lesson 005 | Reviews   * Pp. 9–10 |
| Lesson 6  Adding with 9; Thinking of 10 | | | |
| Teacher Edition  26–29  Worktext  13–14 | 6.1 Add 10 by using a ten bar.  6.2 Add 9 by making 10.  6.3 Write addition equations by using a bar graph. | Teacher Edition   * IA 5: Ten Bar * IA 3: Favorite Colors Bar Graph   Visuals   * Vis. 1: Hundred Chart   Student Manipulatives   * Number Cards: 0–20 * Ten Bar Mat   BJU Press Trove   * Link: Linking Cubes * PPT pres.: Lesson 006 | Reviews   * Pp. 11–12 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 7  Adding with 6, 7 & 8 | | | |
| Teacher Edition  30–33  Worktext  15–16 | 7.1 Add 9 or 10 by using a ten bar.  7.2 Add 6, 7, or 8 by making 10.  7.3 Write a missing-addend equation for a word problem. | Teacher Edition   * IA 5: Ten Bar   Visuals   * Number Line * Puppets: Paddy   Student Manipulatives   * Number Cards: 0–20 * Ten Bar Mat   BJU Press Trove   * Link: Linking Cubes * PPT pres.: Lesson 007 | Reviews   * Pp. 13–14 |
| Lesson 8  Adding 3 Addends | | | |
| Teacher Edition  34–37  Worktext  17–18 | 8.1 Solve a 3-addend equation for a word problem.  8.2 Solve 3-addend equations.  8.3 Apply the Grouping Principle of Addition to add.  8.4 Solve vertical 3-addend problems. | Visuals   * Counters: 12 construction workers   Student Manipulatives   * Number Cards: 0–20 * Red Mat   BJU Press Trove   * Video: “Caring for Others” * Link: Linking Cubes * PPT pres.: Lesson 008 | Reviews   * Pp. 15–16 |
| Lesson 9  Review | | | |
| Teacher Edition  38–41  Worktext  19–20 | 9.1 Recall concepts and terms from Chapter 1. | Teacher Edition   * IA 3: Favorite Colors Bar Graph * IA 5: Ten Bar   Visuals   * Number Line * Shapes Kit: 5 red circles, 9 blue circles   Student Manipulatives   * Number Cards: 0–20 * Ten Bar Mat   BJU Press Trove   * Link: Linking Cubes * PPT pres.: Lesson 009 | Worktext   * Chapter 1 Review   Reviews   * Pp. 17–18 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 10  Test, First Grade Review | | | |
| Teacher Edition  42  Worktext  21 | 10.1 Demonstrate knowledge of  concepts from Chapter 1 by taking the test. | Visuals   * Vis. 1: Hundred Chart (extended) * Number Cards: 0–19   Student Manipulatives   * Number Cards: 0–20 | Worktext   * First Grade Review   Assessments   * Chapter 1 Test   BJU Press Trove   * Chapter 1 test bank |

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| Chapter 2: Place Value: 2-Digit Numbers | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 11 Representing 2-Digit Numbers | | | |
| Teacher Edition  48–51  Worktext  22–24 | 11.1 Count decade numbers 10 to 100 and number words ten to  one hundred.  11.2 Identify the number of tens and ones in a 2-digit number.  11.3 Make a 2-digit number.  11.4 Rename 10 ones as 1 ten.  11.5 Recall that God created a world that we can explore with math.  BWS Exploring (recall) | Visuals   * Number Cards: decades 10–100   Student Manipulatives   * Mats: Ones, Tens   BJU Press Trove\*   * Video: “Sod Bricks in South Dakota” * Link: Analog Clock * Link: Linking Cubes * Link: Math Fact Practice * G/E: ReTeaching (p. 5) * PPT pres.: Lesson 011 | Reviews   * Pp. 19–20 |
| Lesson 12 Writing Expanded Form | | | |
| Teacher Edition  52–55  Worktext  25–26 | 12.1 Rename 10 ones as 1 ten.  12.2 Write the expanded form of a  number.  12.3 Identify the tens and ones in a  number. | Visuals   * Vis. 3: 12-Month Calendar * Place Value Kit: tens, ones   Student Manipulatives   * Number Cards: 0–9   BJU Press Trove   * Link: Sod Houses on the Prairie * Link: Number Tiles * Link: Number Tiles. * PPT pres.: Lesson 012 | Reviews   * Pp. 21–22 |

\*Digital resources for homeschool users are available on Homeschool Hub.

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| Pages | Objectives | Resources | Assessments |
| Lesson 13 Writing Numbers That Come Before, After & Between | | | |
| Teacher Edition  56–59  Worktext  27–28 | 13.1 Write numbers 50–100 in order.  13.2 Identify the number that comes just before or just after a given number.  13.3 Identify the number that comes between 2 given numbers. | Teacher Edition   * IA 7: Before/After/Between   Visuals   * Vis. 1: Hundred Chart   Student Manipulatives   * Money Kit: 1 dime, 10 pennies * Rulers: meter tape   BJU Press Trove   * Link: Money Pieces * Link: Number Chart * PPT pres.: Lesson 013 | Reviews   * Pp. 23–24 |
| Lesson 14 Determining More & Less | | | |
| Teacher Edition  60–63  Worktext  29–30 | 14.1 Identify the number of tens and ones in a 2-digit number.  14.2 Write 2-digit numbers.  14.3 Write the number that is 1 more or 1 less.  14.4 Write the number that is 10 more or 10 less.  14.5 Solve problems by using more and less. | Teacher Edition   * IA 8: More or Less   Visuals   * Vis. 1: Hundred Chart (extended)   Student Manipulatives   * Number Cards: 0–9   BJU Press Trove   * Video: “1 More, 1 Less; 10 More, 10 Less” * Link: Linking Cubes * Link: Number Chart * PPT pres.: Lesson 014 | Reviews   * Pp. 25–26 |
| Lesson 15 Identifying Greater Than & Less Than | | | |
| Teacher Edition  64–67  Worktext  31–32 | 15.1 Identify the greater of 2 numbers and the lesser of 2 numbers.  15.2 Write a number sentence by using > and < to compare. | Visuals   * Vis. 1: Hundred Chart * Money Kit: 12 dimes, 10 nickels, 10 pennies   BJU Press Trove   * Link: Money Pieces * Link: Number Chart * Link: Comparing Number Values * PPT pres.: Lesson 015 | Reviews   * Pp. 27–28 |

| Pages | Objectives | Resources | Assessments |
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| Lesson 16 Comparing Numbers | | | |
| Teacher Edition  68–71  Worktext  33–34 | 16.1 Rename 10 ones as 1 ten.  16.2 Write the expanded form of a  number.  16.3 Write a number sentence by using >, <, or = to compare.  16.4 Explain how place value helps  people explore God’s world.  BWS Exploring (explain) | Visuals   * Place Value Kit: tens, ones   Student Manipulatives   * Number Cards: 0–9   BJU Press Trove   * PPT pres.: Lesson 016 | Reviews   * Pp. 29–30 |
| Lesson 17 Counting by 2s; Even & Odd | | | |
| Teacher Edition  72–75  Worktext  35–36 | 17.1 Count by 2s.  17.2 Identify even and odd numbers.  17.3 Determine whether a given number is even or odd. | Visuals   * Number Line * Puppets: Paddy * Counters: 10 beavers   Student Manipulatives   * Counters: 10 beavers   BJU Press Trove   * PPT pres.: Lesson 017 | Reviews   * Pp. 31–32 |
| Lesson 18 Ordinal Numbers; Rounding to the Nearest Ten | | | |
| Teacher Edition  76–79  Worktext  37–38 | 18.1 Identify the ordinal positions of objects first to twentieth.  18.2 Locate objects in the ordinal  positions first to twentieth.  18.3 Determine the middle number.  18.4 Round numbers to the nearest ten. | Visuals   * Number Cards: 1–20 * Number Line * Counters: 11 construction workers * Shapes Kit: 2 circles   BJU Press Trove   * Video: “Place Value Solves the Problem” * PPT pres.: Lesson 018 | Reviews   * Pp. 33–34 |
| Lesson 19 Review | | | |
| Teacher Edition  80–83  Worktext  39–40 | 19.1 Recall concepts and terms from Chapter 2. | Visuals   * Vis. 1: Hundred Chart * Place Value Kit: tens, ones * Number Cards: decades 10–100   BJU Press Trove   * G/E: Fact Fun Activities * PPT pres.: Lesson 019 | Worktext   * Chapter 2 Review   Reviews   * Pp. 35–36 |

| Pages | Objectives | Resources | Assessments |
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| Lesson 20 Test, Cumulative Review | | | |
| Teacher Edition  84–86  Worktext  41, 359–60 | 20.1 Demonstrate knowledge of  concepts from Chapter 2 by taking the test. | Student Manipulatives   * Matt Clock   BJU Press Trove   * Link: Analog Clock | Worktext   * Cumulative Review   Reviews   * Pp. 37–38   Assessments   * Chapter 2 Test   BJU Press Trove   * Chapter 2 test bank |

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| Chapter 3: Subtraction Facts | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 21 Counting Back 1 or 2 | | | |
| Teacher Edition  92–95  Worktext  42–44 | 21.1 Model subtraction by separating a set.  21.2 Use the **counting back** strategy to subtract 1 or 2.  21.3 Recall that God created people to work.  BWS Working (recall) | Visuals   * Counters: 12 beavers * Number Line   Student Manipulatives   * Number Line   BJU Press Trove\*   * Video: “Adventure in Alaska” * Link: Math Fact Practice * G/E: Fact Reviews (Addition Facts to 6, p. 1) * PPT pres.: Lesson 021 | Reviews   * Pp. 39–40 |
| Lesson 22 Subtracting 0, All & Nearly All | | | |
| Teacher Edition  96–99  Worktext  45–46 | 22.1 Apply the Zero Principle of Subtraction to subtract.  22.2 Subtract by using a number line.  22.3 Solve problems by subtracting all and nearly all. | Visuals   * Number Line * Shapes Kit: 2 circles * Counters: 9 beavers   Student Manipulatives   * Puppets: Matt * Number Line   BJU Press Trove   * G/E: Fact Reviews (Addition Facts to 8, p. 2) * PPT pres.: Lesson 022 | Reviews   * Pp. 41–42 |
| Lesson 23 Subtracting from 10; Fact Families for 10 | | | |
| Teacher Edition  100–3  Worktext  47–48 | 23.1 Model subtraction from 10 by  separating a set.  23.2 Relate subtraction to addition.  23.3 Write the fact families for 10. | Visuals   * Shapes Kit: 1 circle, 1 square,  1 triangle, 1 rectangle * Fact Family Flashcards: 1-9-10, 2-8-10, 3-7-10, 4-6-10, 5-5-10   Student Manipulatives   * Ten Bar Mat * Money Kit: 10 pennies   BJU Press Trove   * G/E: Fact Reviews (Addition Facts to 8, p. 3) * PPT pres.: Lesson 023 | Reviews   * Pp. 43–44 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 24 Double Fact Families | | | |
| Teacher Edition  104–7  Worktext  49–50 | 24.1 Identify the fact families for the double facts.  24.2 Relate subtraction to addition.  24.3 Solve a comparison subtraction problem by using a number line.  24.4 Explain why math is such an  effective tool.  BWS Working (explain) | Visuals   * Shapes Kit: 18 circles * Fact Family Flashcards: 1-1-2, 2-2-4, 3-3-6, 4-4-8, 5-5-10, 6-6-12, 7-7-14, 8-8-16, 9-9-18 * Number Line * Puppets: Matt, Paddy   Student Manipulatives   * Number Line * Puppets: Matt, Paddy   BJU Press Trove   * PPT pres.: Lesson 024 | Reviews   * Pp. 45–46 |
| Lesson 25 Fact Families for 11 & 12; Missing Addends | | | |
| Teacher Edition  108–11  Worktext  51–52 | 25.1 Model subtraction from 11 by separating a set.  25.2 Write addition and subtraction equations for fact families for 11 and 12.  25.3 Identify a missing-addend situation.  25.4 Complete missing-addend equations.  25.5 Solve a word problem by drawing pictures. | Visuals   * Vis. 1: Hundred Chart * Fact Family Flashcards: 2-9-11,  3-8-11, 4-7-11, 5-6-11, 3-9-12,  4-8-12, 5-7-12, 6-6-12   Student Manipulatives   * Number Cards: 0–20 * Ten Bar Mat   BJU Press Trove   * Link: Number Chart * Link: Linking Cubes * PPT pres.: Lesson 025 | Reviews   * Pp. 47–48 |
| Lesson 26 Fact Families for 13 & 14; Pictographs | | | |
| Teacher Edition  112–15  Worktext  53–54 | 26.1 Model subtraction from 13 and 14 by separating a set.  26.2 Write addition and subtraction equations for fact families for 13 and 14.  26.3 Interpret a pictograph.  26.4 Write subtraction equations by using a pictograph. | Visuals   * Vis. 4: Pictograph * Fact Family Flashcards: 4-9-13,  5-8-13, 6-7-13, 5-9-14, 6-8-14,  7-7-14   Student Manipulatives   * Number Cards: 0–20   BJU Press Trove   * Link: Linking Cubes * PPT pres.: Lesson 026 | Reviews   * Pp. 49–50 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 27 Fact Families for 15, 16, 17 & 18 | | | |
| Teacher Edition  116–19  Worktext  55–56 | 27.1 Model subtraction from 15 by separating a set.  27.2 Write addition and subtraction equations for fact families for 15, 16, 17, and 18.  27.3 Solve a word problem by using the Problem-Solving Plan. | Visuals   * Vis. 9: Problem-Solving Plan * Number Cards: decades 10–100 * Fact Family Flashcards: 6-9-15,  7-8-15, 7-9-16, 8-8-16, 8-9-17,  9-9-18   Student Manipulatives   * Number Cards: 0–20 * Ten Bar Mat   BJU Press Trove   * Video: “Working in God’s World” * Link: Linking Cubes * PPT pres.: Lesson 027 | Reviews   * Pp. 51–52 |
| Lesson 28 Review | | | |
| Teacher Edition  120–23  Worktext  57–58 | 28.1 Recall concepts and terms from Chapter 3. | Visuals   * Vis. 4: Pictograph * Vis. 9: Problem-Solving Plan * Number Line * Fact Family Flashcards: 4-6-10,  4-8-12, 9-9-18   Student Manipulatives   * Number Line * Puppets: Matt, Paddy   BJU Press Trove   * G/E: Fact Fun Activities * PPT pres.: Lesson 028 | Worktext   * Chapter 3 Review   Reviews   * Pp. 53–54 |
| Lesson 29 Test, Cumulative Review | | | |
| Teacher Edition  124–26  Worktext  59, 361–62 | 29.1 Demonstrate knowledge of  concepts from Chapter 3 by taking the test. | BJU Press Trove   * Link: Rounding Numbers | Worktext   * Cumulative Review   Reviews   * Pp. 55–56   Assessments   * Chapter 3 Test   BJU Press Trove   * Chapter 3 test bank |

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| Chapter 4: Time & Calendar | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 30 Using Calendars | | | |
| Teacher Edition  132–35  Worktext  60–62 | 30.1 Name in order the days of the week and the months of the year.  30.2 Use a calendar.  30.3 Interpret a pictograph.  30.4 Recall that God created time.  BWS Exploring (recall) | Teacher Edition   * IAs 10a–b: Days of the Week Cards * IAs 11a–b: Months of the Year Cards * IA 12: Pictograph   Visuals   * Vis. 3: 12-Month Calendar   BJU Press Trove\*   * Video: “Tracking Time in Mexico” * Link: How Adobe Construction Works * Link: Math Fact Practice * Link: Calendars * G/E: Fact Reviews (Addition Facts to 10, p. 4) * PPT pres.: Lesson 030 | Reviews   * Pp. 57–58 |
| Lesson 31 Time to the Hour & Half Hour | | | |
| Teacher Edition  136–39  Worktext  63–64 | 31.1 Write time to the hour and the half hour.  31.2 Differentiate between a.m./p.m. and noon/midnight.  31.3 Determine the elapsed time.  31.4 Read a table to use a schedule. | Teacher Edition   * IA 13: Clock Number Line * IA 14: Sightseeing Schedule   Visuals   * Vis. 1: Hundred Chart   Student Manipulatives   * Matt Clock   BJU Press Trove   * Link: Number Chart * Link: Clock * G/E: Fact Reviews (Addition Facts to 10, p. 5) * PPT pres.: Lesson 031 | Reviews   * Pp. 59–60 |

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| Pages | Objectives | Resources | Assessments |
| Lessons 32–33 Time to the 5-Minute Interval | | | |
| Teacher Edition  140–43  Worktext  65–66 | 32–33.1 Count by 5s to 60.  32–33.2 Write time to the 5-minute interval.  32–33.3 Demonstrate time to the  5-minute interval.  32–33.4 Determine the elapsed time to the hour.  32–33.5 Estimate the time an activity takes.  32–33.6 Explain how telling time helps people learn about God’s design in creation.  BWS Exploring (explain) | Teacher Edition   * IA 13: Clock Number Line   Visuals   * Money Kit: 3 dimes, 4 nickels   Student Manipulatives   * Matt Clock   BJU Press Trove   * Video: “Time to the 5-Minute Interval” * Link: Money Pieces * Link: Clock * G/E: Fact Reviews (Addition Facts to 10, p. 6) * PPT pres.: Lessons 032–33 | Reviews   * Pp. 61–62 |
| Lessons 34–35 Time to the Quarter Hour | | | |
| Teacher Edition  144–47  Worktext  67–68 | 34–35.1 Solve elapsed time word problems.  34–35.2 Write time to the 5-minute interval.  34–35.3 Tell time to the quarter hour.  34–35.4 Determine the elapsed time to the 5-minute interval.  34–35.5 Read a table to use a schedule. | Teacher Edition   * IA 15: Quarter Hour * IA 14: Sightseeing Schedule   Visuals   * Fraction Kit: 1 whole, four pieces   1  4  Student Manipulatives   * Matt Clock   BJU Press Trove   * Video: “Time to the Quarter Hour” * Link: Clock * PPT pres.: Lessons 034–35 | Reviews   * Pp. 63–64 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 36 Time; Before & After | | | |
| Teacher Edition  148–51  Worktext  69–70 | 36.1 Tell time by using **before** and after.  36.2 Write time to the quarter hour.  36.3 Read a table to use a schedule.  36.4 Determine the elapsed time to the 5-minute interval. | Teacher Edition   * IA 16: Schedules   Visuals   * Money Kit: 3 dimes, 6 pennies   Student Manipulatives   * Matt Clock   BJU Press Trove   * Video: “An Orderly World” * Link: Money Pieces * Link: Clock * PPT pres.: Lesson 036 | Reviews   * Pp. 65–66 |
| Lesson 37 Review | | | |
| Teacher Edition  152–55  Worktext  71–72 | 37.1 Recall concepts and terms from Chapter 4. | Teacher Edition   * IA 16: Schedules   Visuals   * Vis. 3: 12-Month Calendar   Student Manipulatives   * Matt Clock   BJU Press Trove   * Link: Calendars * Link: Clock * G/E: Fact Fun Activities * PPT pres.: Lesson 037 | Worktext   * Chapter 4 Review   Reviews   * Pp. 67–68 |
| Lessons 38–39 STEM Coding: Locating the Queen’s Treasure | | | |
| Teacher Edition  156–59  Worktext  73–74 | 38–39.1 Follow the Engineering Design Process to solve a problem.  38–39.2 Recall coding terms.  38–39.3 Compose an algorithm.  38–39.4 Program someone to locate a destination on a grid.  38–39.5 Debug a program.  38–39.6 Explain how an algorithm helps someone find a destination.  BWS Exploring (explain) | Teacher Edition   * IA 17: STEM Engineering Design Process * IA 18: Treasure Map * IA 4: Square Grid   BJU Press Trove   * Video: “Locating Treasure” * Link: Mice of the Herring Bone Resources * Link: Coding Resources * PPT pres.: Lessons 038–39 | Teacher Edition   * IA 19: Coding  Rubric: Locating the Queen’s Treasure |

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| Pages | Objectives | Resources | Assessments |
| Lesson 40 Test, Cumulative Review | | | |
| Teacher Edition  160–62  Worktext  75, 363–64 | 40.1 Demonstrate knowledge of concepts from Chapter 4 by taking the test. | Visuals   * Vis. 1: Hundred Chart * Vis. 3: 12-Month Calendar * Place Value Kit: tens, ones   Student Manipulatives   * Matt Clock   BJU Press Trove   * Link: Number Chart * Link: Number Tiles * Link: Clock | Worktext   * Cumulative Review   Reviews   * Pp. 69–70   Assessments   * Chapter 4 Test   BJU Press Trove   * Chapter 4 test bank |

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| Chapter 5: Addition: 2-Digit Numbers | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 41 Adding 2-Digit Numbers | | | |
| Teacher Edition  168–71  Worktext  76–78 | 41.1 Join sets for 2-digit addends.  41.2 Write an addition equation to solve a word problem.  41.3 Solve 2-digit addition problems in vertical form.  41.4 Estimate the sum by rounding to the nearest ten.  41.5 Explain how addition helps people care for others.  BWS Caring (explain) | Visuals   * Number Line * Shapes Kit: 2 circles * Counters: 1 beaver * Place Value Kit: tens, ones   Student Manipulatives   * Place Value Kit: tens, ones * Tens/Ones Mat   BJU Press Trove\*   * Video: “A Fence for Hanako” * Link: Rounding * Link: Number Tiles * Link: Math Fact Practice * G/E: Fact Reviews (Addition Facts to 10, p. 7) * PPT pres.: Lesson 041 | Reviews   * Pp. 71–72 |
| Lesson 42 Adding with Renaming | | | |
| Teacher Edition  172–75  Worktext  79–80 | 42.1 Solve a word problem by using the Problem-Solving Plan.  42.2 Rename 10 ones as 1 ten.  42.3 Solve an addition problem by using a bar graph.  42.4 Add 2-digit numbers with  renaming. | Visuals   * Vis. 9: Problem-Solving Plan * Vis. 5: Bar Graph * Number Line * Place Value Kit: tens, ones   Student Manipulatives   * Tens/Ones Mat   BJU Press Trove   * Video: “Adding with Renaming” * Link: Linking Cubes * Link: Number Tiles * G/E: Fact Reviews (Addition Facts to 10, p. 8) * PPT pres.: Lesson 042 | Reviews   * Pp. 73–74 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 43 Adding with & without Renaming | | | |
| Teacher Edition  176–79  Worktext  81–82 | 43.1 Add 2-digit numbers with and  without renaming.  43.2 Solve a word problem containing extra information. | Teacher Edition   * IA 20: Extra Information Problems   Student Manipulatives   * Tens/Ones Mat   BJU Press Trove   * Link: Number Tiles * G/E: Fact Reviews (Subtraction Facts to 6, p. 23) * PPT pres.: Lesson 043 | Reviews   * Pp. 75–76 |
| Lesson 44 Adding Money | | | |
| Teacher Edition  180–83  Worktext  83–84 | 44.1 Rename 10 pennies as  1 dime.  44.2 Join sets of money for 2-digit  addends.  44.3 Write an addition equation to solve a money word problem. | Visuals   * Fraction Kit: 1 whole, three 1/3 pieces * Money Kit: 9 dimes, 16 pennies   Student Manipulatives   * Money Kit: 9 dimes, 16 pennies * Red Mat   BJU Press Trove   * Link: U.S. Mint Coin Classroom * Link: Spinner * G/E: Fact Reviews (Subtraction Facts to 6, p. 24) * PPT pres.: Lesson 044 | Reviews   * Pp. 77–78 |
| Lesson 45 Adding with Renaming; Estimating | | | |
| Teacher Edition  184–87  Worktext  85–86 | 45.1 Solve 2-digit addition problems without a tens/ones frame.  45.2 Estimate the sum by rounding to the nearest ten.  45.3 Write an addition equation to solve a word problem.  45.4 Explain how evaluating a solution by rounding helps people care for others.  BWS Caring (explain) | Visuals   * Number Line   BJU Press Trove   * PPT pres.: Lesson 045 | Reviews   * Pp. 79–80 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 46 Applying the Order Principle | | | |
| Teacher Edition  188–91  Worktext  87–88 | 46.1 Write an addition problem in  vertical form.  46.2 Add 2-digit numbers with and  without renaming.  46.3 Check 2-digit addition by using the Order Principle. | BJU Press Trove   * Link: Clock * PPT pres.: Lesson 046 | Reviews   * Pp. 81–82 |
| Lesson 47 Applying the Grouping Principle | | | |
| Teacher Edition  192–95  Worktext  89–90 | 47.1 Solve addition problems with three 1- and 2-digit addends by applying the Grouping Principle.  47.2 Write an addition equation for a word problem.  47.3 Solve a word problem by reading a bar graph. | Visuals   * Vis. 5: Bar Graph * Place Value Kit: tens, ones   BJU Press Trove   * Video: “Addition Shows I Care” * Link: Clock * Link: Number Tiles * G/E: Fact Fun Activities * PPT pres.: Lesson 047 | Reviews   * Pp. 83–84 |
| Lesson 48 Review | | | |
| Teacher Edition  196–99  Worktext  91–92 | 48.1 Recall concepts and terms from Chapter 5. | Visuals   * Place Value Kit: tens, ones   BJU Press Trove   * Link: Number Tiles * G/E: Fact Fun Activities * PPT pres.: Lesson 048 | Worktext   * Chapter 5 Review   Reviews   * Pp. 85–86 |
| Lesson 49 Test, Cumulative Review | | | |
| Teacher Edition  200–2  Worktext  93, 365–66 | 49.1 Demonstrate knowledge of  concepts from Chapter 5 by  taking the test. | Visuals   * Vis. 9: Problem-Solving Plan | Worktext   * Cumulative Review   Reviews   * Pp. 87–88   Assessments   * Chapter 5 Test   BJU Press Trove   * Chapter 5 test bank |

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| Chapter 6: Customary Measurement | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 50 Pounds & Ounces; Temperature | | | |
| Teacher Edition  208–11  Worktext  94–96 | 50.1 Identify measuring units for weight.  50.2 Model the movement of a balance scale.  50.3 Determine whether an object weighs more than or less than 1 pound or 1 ounce.  50.4 Identify a measuring unit for  temperature.  50.5 Represent temperature to the 5° interval by using a Fahrenheit thermometer.  50.6 Identify 10° more than or 10° less than a given temperature. | Visuals   * Vis. 10: Customary Measurement: Capacity & Weight * Vis. 13: Temperature * Vis. 27: Thermometers * Fact Family Flashcards: 8-9-17,  9-9-18 * Red Strip   Student Manipulatives   * Fact Family Flashcards: 8-9-17,  9-9-18 * Thermometers * Red Strip   BJU Press Trove\*   * Video: “Houseboats in Thailand” * Link: Balance Scale * Link: Thermometer * Link: Math Fact Practice * G/E: Fact Reviews (Addition Facts to 12, p. 9) * PPT pres.: Lesson 050 | Reviews   * Pp. 89–90 |
| Lesson 51 Temperature; Cups, Pints, Quarts & Gallons | | | |
| Teacher Edition  212–15  Worktext  97–98 | 51.1 Explain why measuring works well when people prepare food.  BWS Working (explain)  51.2 Read a Fahrenheit thermometer.  51.3 Match weather-related activities to Fahrenheit temperatures.  51.4 Identify measuring units for  capacity.  51.5 Compare cups, pints, quarts, and gallons. | Teacher Edition   * IA 21: Temperatures   Visuals   * Vis. 13: Temperature * Vis. 10: Customary Measurement: Capacity & Weight * Fact Family Flashcards: 7-9-16,  8-8-16   Student Manipulatives   * Fact Family Flashcards: 7-9-16,  8-8-16   BJU Press Trove   * Link: Ducky Race Subtraction * G/E: Fact Reviews (Addition Facts to 12, p. 10) * PPT pres.: Lesson 051 | Reviews   * Pp. 91–92 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 52 Using Cups, Pints, Quarts & Gallons | | | |
| Teacher Edition  216–19  Worktext  99–100 | 52.1 Identify standard measurement equivalents.  52.2 Measure the amount in a container by using 1 cup.  52.3 Determine whether a container has a capacity of more than or less than 1 cup, 1 pint, 1 quart, or 1 gallon.  52.4 Determine the appropriate customary measure of capacity—cup, pint, quart,  or gallon. | Visuals   * Fact Family Flashcards: 6-9-15,  7-8-15   Student Manipulatives   * Fact Family Flashcards: 6-9-15,  7-8-15   BJU Press Trove   * Video: “Customary Capacity” * G/E: Fact Reviews (Addition Facts to 12, p. 11) * PPT pres.: Lesson 052 | Reviews   * Pp. 93–94 |
| Lesson 53 Measuring in Inches | | | |
| Teacher Edition  220–23  Worktext  101–2 | 53.1 Explain how measuring helps people make good choices.  BWS Working (explain)  53.2 Measure length in a nonstandard unit.  53.3 Identify a standard measuring unit for length, height, and distance.  53.4 Measure the length or height of an object to the nearest inch.  53.5 Measure the distance between 2 objects, using inches.  53.6 Draw a line of a specific length. | Teacher Edition   * IA 22: Measurement Worksheet   Visuals   * Vis. 1: Hundred Chart * Vis. 11: Customary Measurement: Length * Fact Family Flashcards: 5-9-14,  6-8-14 * Rulers: inch * Shapes Kit: 2 circles   Student Manipulatives   * Fact Family Flashcards: 5-9-14,  6-8-14 * Rulers: inch   BJU Press Trove   * Link: Measuring Game * G/E: Fact Reviews (Addition Facts to 12, p. 12) * PPT pres.: Lesson 053 | Reviews   * Pp. 95–96 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 54 Measuring in Inches, Feet & Yards | | | |
| Teacher Edition  224–27  Worktext  103–4 | 54.1 Identify equivalent measurements for length.  54.2 Determine the best estimate of the measurement of an object.  54.3 Measure the length or height of an object to the nearest inch, foot, or yard.  54.4 Measure the distance between 2 objects by using feet or yards.  54.5 Measure to find out how much longer one object is than another. | Visuals   * Vis. 11: Customary Measurement: Length * Place Value Kit: tens, ones * Fact Family Flashcards: 6-7-13,  7-7-14 * Rulers: inch, yard tape   Student Manipulatives   * Fact Family Flashcards: 6-7-13,  7-7-14 * Rulers: inch, yard tape   BJU Press Trove   * Video: “Measuring Works Well” * Link: Number Tiles * PPT pres.: Lesson 054 | Reviews   * Pp. 97–98 |
| Lesson 55 Map Reading; Distance in Miles | | | |
| Teacher Edition  228–31  Worktext  105–6 | 55.1 Read a map.  55.2 Read a map key.  55.3 Compare the distances between cities.  55.4 Measure the length or height of an object to the nearest inch, foot, or yard. | Visuals   * Number Line * Fact Family Flashcards: 4-9-13,  5-8-13   Student Manipulatives   * Fact Family Flashcards: 4-9-13,  5-8-13 * Rulers: inch, yard tape   BJU Press Trove   * Link: Number Line * PPT pres.: Lesson 055 | Reviews   * Pp. 99–100 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 56 Review | | | |
| Teacher Edition  232–35  Worktext  107–8 | 56.1 Recall concepts and terms from Chapter 6. | Visuals   * Vis. 27: Thermometers * Vis. 10: Customary Measurement: Capacity & Weight * Red Strip * Shapes Kit: 1 circle, 1 triangle   Student Manipulatives   * Thermometers: Fahrenheit * Red Strip * Rulers: inch, yard tape   BJU Press Trove   * Link: Thermometer * Link: Balance Scale * G/E: Fact Fun Activities * PPT pres.: Lesson 056 | Worktext   * Chapter 6 Review   Reviews   * Pp. 101–2 |
| Lesson 57 Test, Cumulative Review | | | |
| Teacher Edition  236–38  Worktext  109, 367–68 | 57.1 Demonstrate knowledge of concepts from Chapter 6 by taking the test. | Visuals   * Money Kit: dimes, pennies   Student Manipulatives   * Rulers: inch   BJU Press Trove   * Link: Money Pieces | Worktext   * Cumulative Review   Reviews   * Pp. 103–4   Assessments   * Chapter 6 Test   BJU Press Trove   * Chapter 6 test bank |

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| Chapter 7: Subtraction: 2-Digit Numbers | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 58 Subtracting 2-Digit Numbers | | | |
| Teacher Edition  244–47  Worktext  110–12 | 58.1 Subtract 2-digit numbers without renaming.  58.2 Write a subtraction equation to solve a word problem.  58.3 Interpret a table to find a difference.  58.4 Estimate the difference by rounding to the nearest ten.  58.5 Explain how subtraction helps people care for others.  BWS Caring (explain) | Teacher Edition   * IA 23: Tables   Visuals   * Fact Family Flashcards: 5-7-12,  6-6-12 * Place Value Kit: tens, ones * Number Line   Student Manipulatives   * Number Cards: 0–9 * Fact Family Flashcards: 5-7-12,  6-6-12 * Tens/Ones Mat * Place Value Kit: tens, ones   BJU Press Trove\*   * Video: “A Rainy-Season Roof” * Link: Number Tiles * Link: Math Fact Practice * Link: 2-Digit Subtraction * G/E: Fact Reviews (Addition Facts to 12, p. 13) * PPT pres.: Lesson 058 | Reviews   * Pp. 105–6 |
| Lesson 59 Subtracting with Renaming | | | |
| Teacher Edition  248–51  Worktext  113–14 | 59.1 Rename 1 ten as 10 ones.  59.2 Subtract a 1-digit number from a 2-digit number with renaming.  59.3 Write a subtraction equation to solve a word problem.  59.4 Solve a comparison word problem. | Visuals   * Fact Family Flashcards: 3-9-12,  4-8-12   Student Manipulatives   * Ten Bar Mat * Fact Family Flashcards: 3-9-12,  4-8-12 * Tens/Ones Mat   BJU Press Trove   * Link: Wildlife in India * Link: Peafowl * Link: Linking Cubes * G/E: Fact Reviews (Addition Facts to 12, p. 14) * PPT pres.: Lesson 059 | Reviews   * Pp. 107–8 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 60 2-Digit Subtraction with Renaming | | | |
| Teacher Edition  252–55  Worktext  115–16 | 60.1 Subtract 2-digit numbers with renaming.  60.2 Write a subtraction equation to solve a word problem.  60.3 Read a table to find a difference.  60.4 Complete missing-addend equations. | Teacher Edition   * IA 23: Tables   Visuals   * Fraction Kit: 1 whole, two   pieces  |  | | --- | | 1 | | 2 |  * Fact Family Flashcards: 4-7-11,  5-6-11 * Place Value Kit: tens, ones   Student Manipulatives   * Fact Family Flashcards: 4-7-11,  5-6-11 * Tens/Ones Mat   BJU Press Trove   * Video: “2-Digit Subtraction” * Link: Linking Cubes * G/E: Fact Reviews (Addition Facts to 12, p. 15) * PPT pres.: Lesson 060 | Reviews   * Pp. 109–10 |
| Lesson 61 Subtracting Money | | | |
| Teacher Edition  256–59  Worktext  117–18 | 61.1 Rename 1 dime as 10 pennies.  61.2 Separate a set of coins to subtract a 2-digit number.  61.3 Write a subtraction equation to solve a word problem.  61.4 Identify word problems that have too little information.  61.5 Explain how subtracting money helps people care for a friend.  BWS Caring (explain) | Teacher Edition   * IA 24: Subtraction Word Problems   Visuals   * Money Kit: 5 dimes, 4 nickels, 16 pennies * Fact Family Flashcards: 2-9-11,  3-8-11   Student Manipulatives   * Fact Family Flashcards: 2-9-11,  3-8-11 * Red Mat * Money Kit: 9 dimes, 20 pennies   BJU Press Trove   * Link: Money Pieces * G/E: Fact Reviews (Subtraction Facts to 8, p. 25) * PPT pres.: Lesson 061 | Reviews   * Pp. 111–12 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 62 Checking Subtraction with Addition | | | |
| Teacher Edition  260–63  Worktext  119–20 | 62.1 Subtract 2-digit numbers with renaming.  62.2 Check a subtraction problem with addition.  62.3 Interpret a line graph. | Visuals   * Vis. 6: Line Graph * Shapes Kit: 3 red circles, 3 yellow circles * Fact Family Flashcards: 1-9-10,  2-8-10   Student Manipulatives   * Shapes Kit: 3 red circles, 3 yellow circles * Fact Family Flashcards: 1-9-10,  2-8-10   BJU Press Trove   * G/E: Fact Reviews (Subtraction Facts to 8, p. 26) * PPT pres.: Lesson 062 | Reviews   * Pp. 113–14 |
| Lesson 63 Identifying the Equation for a Word Problem | | | |
| Teacher Edition  264–67  Worktext  121–22 | 63.1 Subtract 2-digit numbers with renaming.  63.2 Check a subtraction problem with addition.  63.3 Identify the equation for a word problem.  63.4 Solve a word problem by using an equation. | Teacher Edition   * IA 25: Rainfall in India   Visuals   * Rulers: centimeter * Fact Family Flashcards: 3-7-10,  4-6-10   Student Manipulatives   * Rulers: centimeter * Fact Family Flashcards: 3-7-10,  4-6-10   BJU Press Trove   * Video: “Subtraction Helps Me Care” * G/E: Fact Reviews (Subtraction Facts to 8, p. 27) * PPT pres.: Lesson 063 | Reviews   * Pp. 115–16 |
| Lesson 64 Review | | | |
| Teacher Edition  268–71  Worktext  123–24 | 64.1 Recall concepts and terms from Chapter 7. | Teacher Edition   * IA 26: More Word Problems * IA 27: Café Basil Line Graph   BJU Press Trove   * Link: Linking Cubes * G/E: Fact Fun Activities * PPT pres.: Lesson 064 | Worktext   * Chapter 7 Review   Reviews   * Pp. 117–18 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 65 Test, Cumulative Review | | | |
| Teacher Edition  272–74  Worktext  125, 369–70 | 65.1 Demonstrate knowledge of concepts from Chapter 7 by taking the test. | Teacher Edition   * IA 13: Clock Number Line   Student Manipulatives   * Matt Clock   BJU Press Trove   * Link: Clock * G/E: Fact Fun Activities | Worktext   * Cumulative Review   Reviews   * Pp. 119–20   Assessments   * Chapter 7 Test   BJU Press Trove   * Chapter 7 test bank |

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| Chapter 8: Place Value: 3-Digit Numbers | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 66 Representing 3-Digit Numbers | | | |
| Teacher Edition  280–83  Worktext  126–28 | 66.1 Represent 3-digit numbers.  66.2 Read 3-digit numbers.  66.3 Identify the number of hundreds, tens, and ones in a 3-digit number.  66.4 Count by 100s to 1,000.  66.5 Explain how people use  3-digit numbers to explore God’s world.  BWS Exploring (explain) | Visuals   * Vis. 2: 1,000 * Fact Family Flashcards: 5-5-10,  1-8-9 * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Fact Family Flashcards: 5-5-10,  1-8-9 * Mats: Tens/Ones, Hundreds * Place Value Kit: hundreds, tens, ones   BJU Press Trove\*   * Video: “Cheese Factory in Switzerland” * Link: Making Cheese * Link: Clock * Link: Number Tiles * Link: Math Fact Practice * G/E: Fact Reviews (Addition Facts  to 18, p. 16) * PPT pres.: Lesson 066 | Reviews   * Pp. 121–22 |
| Lesson 67 Writing Expanded & Word Forms | | | |
| Teacher Edition  284–87  Worktext  129–30 | 67.1 Count by 100s to 1,000.  67.2 Write 3-digit numbers in standard and expanded form.  67.3 Identify the value of a digit in a 3-digit number.  67.4 Write number words for  3-digit numbers. | Visuals   * Vis. 2: 1,000 * Fact Family Flashcards: 4-5-9,  3-6-9 * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Fact Family Flashcards: 4-5-9,  3-6-9 * Place Value Mat * Place Value Kit: hundreds, tens, ones * Number Cards: 0–9   BJU Press Trove   * Link: Number Tiles * G/E: Fact Reviews (Addition Facts  to 18, p. 17) * PPT pres.: Lesson 067 | Reviews   * Pp. 123–24 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 68 Writing Numbers That Come Before, After & Between | | | |
| Teacher Edition  288–91  Worktext  131–32 | 68.1 Identify the number that comes just before or just after a given number.  68.2 Identify the number that comes between 2 given numbers.  68.3 Write a word problem for an addition equation. | Teacher Edition   * IA 28: Addition Word Problems   Visuals   * Place Value Kit: hundreds, tens, ones * Fact Family Flashcards: 2-7-9, 0-9-9   Student Manipulatives   * Fact Family Flashcards: 2-7-9, 0-9-9   BJU Press Trove   * Link: Number Tiles * G/E: Fact Reviews (Addition Facts  to 18, p. 18) * PPT pres.: Lesson 068 | Reviews   * Pp. 125–26 |
| Lesson 69 Ordering 3-Digit Numbers | | | |
| Teacher Edition  292–95  Worktext  133–34 | 69.1 Order 2-digit or 3-digit numbers from least to greatest.  69.2 Determine the greatest possible number and the least possible number from 3 given digits.  69.3 Explain how people use numbers to trace dairy products.  BWS Exploring (explain) | Teacher Edition   * IA 29: Least to Greatest   Visuals   * Fact Family Flashcards: 4-4-8, 2-6-8 * Rulers: meter tape * Puppets: Matt, Paddy   Student Manipulatives   * Fact Family Flashcards: 4-4-8, 2-6-8 * Rulers: meter tape * Puppets: Matt, Paddy * Number Cards: 0–9   BJU Press Trove   * Link: Tracing Milk * G/E: Fact Reviews (Addition Facts  to 18, p. 19) * PPT pres.: Lesson 069 | Reviews   * Pp. 127–28 |
| Lesson 70 Determining More & Less | | | |
| Teacher Edition  296–99  Worktext  135–36 | 70.1 Determine the number that is 1 more or 1 less, 10 more or 10 less, or 100 more or 100 less than a given 3-digit number.  70.2 Count by 10s from a given  3-digit number. | Visuals   * Vis. 1: Hundred Chart (extended) * Fact Family Flashcards: 1-7-8, 0-8-8 * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Fact Family Flashcards: 1-7-8, 0-8-8 * Number Cards: 0–9   BJU Press Trove   * Link: Number Tiles * PPT pres.: Lesson 070 | Reviews   * Pp. 129–30 |

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| Lesson 71 Comparing 3-Digit Numbers | | | |
| Teacher Edition  300–3  Worktext  137–38 | 71.1 Compare 3-digit numbers by using >, <, or =.  71.2 Compare a 3-digit number in  standard form to one written in expanded form by using >, <,  or =. | Visuals   * Fact Family Flashcards: 1-6-7, 2-5-7 * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Fact Family Flashcards: 1-6-7, 2-5-7   BJU Press Trove   * Link: Calendars * Link: Number Tiles * PPT pres.: Lesson 071 | Reviews   * Pp. 131–32 |
| Lesson 72 Comparing with Expanded Form | | | |
| Teacher Edition  304–7  Worktext  139–40 | 72.1 Compare 3-digit numbers by using >, <, or =.  72.2 Compare a 3-digit number in  standard form to one written in expanded form by using >, <,  or =.  72.3 Write a word problem for a subtraction equation. | Teacher Edition   * IA 30: 3-Digit Numbers   Visuals   * Number Line * Shapes Kit: 2 circles, 1 triangle * Money Kit: 5 dimes, 5 nickels * Fact Family Flashcards: 3-5-8, 3-4-7   Student Manipulatives   * Fact Family Flashcards: 3-5-8, 3-4-7   BJU Press Trove   * Video: “Comparing with Expanded Form” * Link: Number Line * Link: Money Pieces * PPT pres.: Lesson 072 | Reviews   * Pp. 133–34 |
| Lesson 73 Rounding to the Nearest Ten & Hundred | | | |
| Teacher Edition  308–11  Worktext  141–42 | 73.1 Round numbers to the nearest ten.  73.2 Count by 100s to 1,000.  73.3 Round numbers to the nearest hundred. | Teacher Edition   * IA 31: Our Pets Bar Graph * IA 32: Number Lines   Visuals   * Fact Family Flashcards: 0-7-7, 1-5-6 * Number Line * Counters: 2 construction workers   Student Manipulatives   * Fact Family Flashcards: 0-7-7, 1-5-6   BJU Press Trove   * Video: “Using Place Value” * PPT pres.: Lesson 073 | Reviews   * Pp. 135–36 |

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| Lesson 74 Review | | | |
| Teacher Edition  312–15  Worktext  143–44 | 74.1 Recall concepts and terms from Chapter 8. | BJU Press Trove   * G/E: Fact Fun Activities * PPT pres.: Lesson 074 | Worktext   * Chapter 8 Review   Reviews   * Pp. 137–38 |
| Lessons 75–76 STEM Coding: Tidying the Queen’s Treasure | | | |
| Teacher Edition  316–19  Worktext  145–46 | 75–76.1 Follow the Engineering Design Process to solve a problem.  75–76.2 Make a model by writing an algorithm.  75–76.3 Write a program with loops.  75–76.4 Debug a program.  75–76.5 Program someone to complete a task.  75–76.6 Evaluate the idea that putting things in order is unimportant.  BWS Exploring (evaluate) | Teacher Edition   * IA 17: STEM Engineering Design Process * IA 33: Treasure Chest Pattern * IA 34a–b: Ship Deck Guide   BJU Press Trove   * Video: “Keep It Neat” * Link: Mice of the Herring Bone Resources * Link: Treasure Chests * Link: Robots Working * Link: The Bot That Scott Built * PPT pres.: Lessons 075–076 | Teacher Edition   * IA 35: Coding Rubric: Tidying the Queen’s Treasure |
| Lesson 77 Test, Cumulative Review | | | |
| Teacher Edition  320–22  Worktext  147 | 77.1 Demonstrate knowledge of concepts from Chapter 8 by taking the test. | Teacher Edition   * IAs 10a–b: Days of the Week Cards   BJU Press Trove   * Link: Calendars | Worktext   * Cumulative Review   Reviews   * Pp. 139–40   Assessments   * Chapter 8 Test   BJU Press Trove   * Chapter 8 test bank |

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| Chapter 9: Money | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lessons 78–79 Counting Quarters, Dimes, Nickels & Pennies | | | |
| Teacher Edition  328–31  Worktext  148–50 | 78–79.1 Identify the value of a penny, a nickel, a dime, and a quarter.  78–79.2 Determine the value of a set of nickels and pennies, a set of dimes and pennies, a set of dimes and nickels, and a set of quarters by **counting on**.  78–79.3 Recall that people sometimes make selfish choices with money.  BWS Caring (recall) | Visuals   * Vis. 14: Money * Fact Family Flashcards: 3-3-6, 2-4-6 * Money Kit: quarters, dimes, nickels, pennies   Student Manipulatives   * Fact Family Flashcards: 3-3-6, 2-4-6 * Money Kit: quarters, dimes, nickels, pennies * Red Mat   BJU Press Trove\*   * Video: “Jayden’s Choice” * Video: “Counting Quarters, Dimes, Nickels & Pennies” * Link: Money Pieces * Link: Math Fact Practice * Link: U.S. Mint Coin Collection * G/E: Fact Reviews (Addition Facts  to 18, p. 20) * PPT pres.: Lessons 078–079 | Reviews   * Pp. 141–42 |
| Lesson 80 Counting Coins by Counting On | | | |
| Teacher Edition  332–35  Worktext  151–52 | 80.1 Determine the value of a set of 3 types of coins by **counting on**.  80.2 Compare the value of 2 sets of coins by using > or <.  80.3 Predict the probability of choosing a nickel or a penny.  80.4 Tally the results of a probability activity. | Teacher Edition   * IA 36: Hundred Chart   Visuals   * Vis. 1: Hundred Chart * Fact Family Flashcards: 0-6-6, 1-4-5 * Money Kit: quarters, dimes, nickels, pennies   Student Manipulatives   * Fact Family Flashcards: 0-6-6, 1-4-5 * Money Kit: quarters, dimes, nickels, pennies * Red Mat   BJU Press Trove   * Link: Number Chart * Link: Money Pieces * G/E: Fact Reviews (Addition Facts  to 18, p. 21) * PPT pres.: Lesson 080 | Reviews   * Pp. 143–44 |

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| Lesson 81 Counting Coins for a Purchase | | | |
| Teacher Edition  336–39  Worktext  153–54 | 81.1 Determine the value of a set of coins by counting on.  81.2 Determine whether there is enough money to purchase an item.  81.3 Identify the coins needed to purchase an item. | Teacher Edition   * IA 37: COIN-O Board * IA 38: Price Tags   Visuals   * Money Kit * Sign Cards: Greater-Than, Less-Than * Fact Family Flashcards: 0-5-5, 2-3-5   Student Manipulatives   * Fact Family Flashcards: 0-5-5, 2-3-5 * Money Kit * Red Mat   BJU Press Trove   * Video: “Counting Coins for a Purchase” * Link: Money Pieces * G/E: Fact Reviews (Addition Facts  to 18, p. 22) * PPT pres.: Lesson 081 | Reviews   * Pp. 145–46 |
| Lesson 82 Counting a Half-Dollar with Coins | | | |
| Teacher Edition  340–43  Worktext  155–56 | 82.1 Identify a half-dollar.  82.2 Identify sets of coins equivalent to a half-dollar.  82.3 Determine the value of a set of a half-dollar and other coins by counting on.  82.4 Estimate to identify the items purchased from a given amount of money. | Visuals   * Vis. 14: Money * Fact Family Flashcards: 2-2-4, 1-3-4 * Money Kit   Student Manipulatives   * Fact Family Flashcards: 2-2-4, 1-3-4 * Money Kit * Red Mat   BJU Press Trove   * Link: Germany Facts * PPT pres.: Lesson 082 | Reviews   * Pp. 147–48 |

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| Lesson 83 Identifying Coins Equivalent to 1 Dollar | | | |
| Teacher Edition  344–47  Worktext  157–58 | 83.1 Identify a 1-dollar bill.  83.2 Identify sets of coins equivalent to 1 dollar.  83.3 Identify the dollar sign and the decimal point.  83.4 Read money values with a dollar sign and a decimal point. | Visuals   * Vis. 1: Hundred Chart * Vis. 15: 1-Dollar Bill * Fact Family Flashcards: 0-4-4, 1-2-3   Student Manipulatives   * Fact Family Flashcards: 0-4-4, 1-2-3 * Money Kit: one 1-dollar bill   BJU Press Trove   * Link: Water Music * PPT pres.: Lesson 083 | Reviews   * Pp. 149–50 |
| Lesson 84 Counting Coins & 1-Dollar Bills | | | |
| Teacher Edition  348–51  Worktext  159–60 | 84.1 Write money values using a dollar sign and a decimal point.  84.2 Determine the value of a set of coins and 1-dollar bills.  84.3 Estimate whether there is enough money to purchase a set of items.  84.4 Solve money word problems.  84.5 Evaluate whether money should be used to make a selfish choice.  BWS Caring (evaluate) | Visuals   * Fact Family Flashcards: 0-3-3, 1-1-2 * Money Kit   Student Manipulatives   * Fact Family Flashcards: 0-3-3, 1-1-2   BJU Press Trove   * Video: “Counting 1-Dollar Bills & Coins” * PPT pres.: Lesson 084 | Reviews   * Pp. 151–52 |
| Lesson 85 Comparing Money | | | |
| Teacher Edition  352–55  Worktext  161–62 | 85.1 Compare money values by using >, <, or =.  85.2 Identify the money needed to purchase an item.  85.3 Count out the fewest bills and coins for a given amount of money. | Teacher Edition   * IA 36: Hundred Chart   Visuals   * Vis. 1: Hundred Chart * Fact Family Flashcards: 0-2-2, 0-1-1 * Money Kit   Student Manipulatives   * Fact Family Flashcards: 0-2-2, 0-1-1 * Red Mat * Money Kit   BJU Press Trove   * Link: Money Pieces * PPT pres.: Lesson 085 | Reviews   * Pp. 153–54 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 86 Counting Change | | | |
| Teacher Edition  356–59  Worktext  163–64 | 86.1 Determine the value of a set of coins by counting on.  86.2 Count the change received after a purchase.  86.3 Predict the probability of choosing coins.  86.4 Tally the results of a probability activity. | Teacher Edition   * IA 37: COIN-O Board   Visuals   * Fact Family Flashcard: 0-0-0 * Money Kit   Student Manipulatives   * Fact Family Flashcard: 0-0-0 * Money Kit   BJU Press Trove   * Video: “Making Money Choices” * PPT pres.: Lesson 086 | Reviews   * Pp. 155–56 |
| Lesson 87 Review | | | |
| Teacher Edition  360–63  Worktext  165–66 | 87.1 Recall concepts and terms from Chapter 9. | Teacher Edition   * IA 37: COIN-O Board   Visuals   * Money Kit   Student Manipulatives   * Money Kit * Red Mat   BJU Press Trove   * G/E: Fact Fun Activities * PPT pres.: Lesson 087 | Worktext   * Chapter 9 Review   Reviews   * Pp. 157–58 |
| Lesson 88 Test, Cumulative Review | | | |
| Teacher Edition  364–66  Worktext  167, 371–72 | 88.1 Demonstrate knowledge of concepts from Chapter 9 by taking the test. | BJU Press Trove   * G/E: Fact Fun Activities | Worktext   * Cumulative Review   Reviews   * Pp. 159–60   Assessments   * Chapter 9 Test   BJU Press Trove   * Chapter 9 test bank |

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| Chapter 10: Addition: 3-Digit Numbers | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 89 Adding 3-Digit Numbers | | | |
| Teacher Edition  372–75  Worktext  168–70 | 89.1 Join sets to add 3-digit numbers.  89.2 Solve a 3-digit addition problem without renaming.  89.3 Estimate the sum of an addition problem by rounding to the nearest hundred.  89.4 Explain that the ability to use math to solve a problem is a gift from the Creator.  BWS Exploring (explain) | Visuals   * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Place Value Mat * Place Value Kit: hundreds, tens, ones   BJU Press Trove\*   * Video: “Paint Studio in Greece” * Link: Number Tiles * G/E: Fact Reviews (Subtraction Facts to 10, p. 28) * G/E: Fact Fun Activities * PPT pres.: Lesson 089 | Reviews   * Pp. 161–62 |
| Lesson 90 Renaming Ones | | | |
| Teacher Edition  376–79  Worktext  171–72 | 90.1 Rename 10 ones as 1 ten.  90.2 Add 3-digit numbers with renaming 10 ones as 1 ten.  90.3 Solve a word problem. | Visuals   * Vis. 9: Problem-Solving Plan * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Counters: 12 beavers * Place Value Mat * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * Link: Number Tiles * Link: Map of Greek Islands * Link: Patmos Island * G/E: Fact Reviews (Subtraction Facts to 10, p. 29) * PPT pres.: Lesson 090 | Reviews   * Pp. 163–64 |

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| Lesson 91 Renaming Tens | | | |
| Teacher Edition  380–83  Worktext  173–74 | 91.1 Rename 10 tens as 1 hundred.  91.2 Add 3-digit numbers with renaming 10 tens as 1 hundred.  91.3 Solve a multistep word problem. | Visuals   * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Place Value Mat * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * Link: Number Tiles * Link: Math Fact Practice * G/E: Fact Reviews (Subtraction Facts to 10, p. 30) * G/E: Fact Fun Activities * PPT pres.: Lesson 091 | Reviews   * Pp. 165–66 |
| Lesson 92 Renaming Ones or Tens | | | |
| Teacher Edition  384–87  Worktext  175–76 | 92.1 Add 3-digit numbers with renaming 10 ones as 1 ten or 10 tens as 1 hundred.  92.2 Solve a word problem.  92.3 Solve a multistep word problem. | Visuals   * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Number Cards: 0–9   BJU Press Trove   * Link: Number Tiles * Link: Greek Food * G/E: Fact Reviews (Subtraction Facts to 10, p. 31) * PPT pres.: Lesson 092 | Reviews   * Pp. 167–68 |
| Lesson 93 Renaming Ones & Tens | | | |
| Teacher Edition  388–91  Worktext  177–78 | 93.1 Add 3-digit numbers with renaming.  93.2 Solve a word problem.  93.3 Write a word problem for an addition equation.  93.4 Evaluate the idea that people do not need God’s help to solve math problems.  BWS Exploring (evaluate) | Visuals   * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * Video: “Renaming Tens & Ones” * G/E: Fact Reviews (Subtraction Facts to 10, p. 32) * G/E: Fact Fun Activities * PPT pres.: Lesson 093 | Reviews   * Pp. 169–70 |

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| Lesson 94 Adding Money | | | |
| Teacher Edition  392–95  Worktext  179–80 | 94.1 Solve 3-digit money problems.  94.2 Solve a money word problem.  94.3 Solve a multistep money word problem. | Visuals   * Vis. 1: Hundred Chart   BJU Press Trove   * Video: “Who Deserves the Credit?” * G/E: Fact Reviews (Subtraction Facts to 10, p. 33) * PPT pres.: Lesson 094 | Reviews   * Pp. 171–72 |
| Lesson 95 Review | | | |
| Teacher Edition  396–99  Worktext  181–82 | 95.1 Recall concepts and terms from Chapter 10. | Visuals   * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * G/E: Fact Fun Activities * PPT pres.: Lesson 095 | Worktext   * Chapter 10 Review   Reviews   * Pp. 173–74 |
| Lesson 96 Test, Cumulative Review | | | |
| Teacher Edition  400–402  Worktext  183 | 96.1 Demonstrate knowledge of concepts from Chapter 10 by taking the test. | Visuals   * Shapes Kit: 6 yellow triangles,  6 blue triangles, 6 yellow circles,  6 red circles, 6 green squares,  6 blue rectangles, 6 orange hexagons   Student Manipulatives   * Shapes Kit: 6 yellow triangles,  6 blue triangles, 6 yellow circles,  6 red circles, 6 green squares,  6 blue rectangles, 6 orange hexagons   BJU Press Trove   * Link: Polygons & Shapes | Worktext   * Cumulative Review   Reviews   * Pp. 175–76   Assessments   * Chapter 10 Test   BJU Press Trove   * Chapter 10 test bank |

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| Chapter 11: Introduction to Multiplication | | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | | |
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| Lesson 97 Repeated Addition | | | | |
| Teacher Edition  408–11  Worktext  184–86 | 97.1 Make equal sets.  97.2 Identify the number of sets and the number of objects in each set.  97.3 Write a repeated addition equation for equal sets of objects. | Teacher Edition   * IA 39: Multiplication/Division Mat   BJU Press Trove\*   * Video: “A Meeting House in Tanzania” * Link: Linking Cubes * Link: Math Fact Practice * G/E: Fact Reviews (Subtraction Facts to 12, p. 34) * G/E: Fact Fun Activities * PPT pres.: Lesson 097 | | Reviews   * Pp. 177–78 |
| Lesson 98 Repeated Addition & Multiplication | | | | |
| Teacher Edition  412–15  Worktext  187–88 | 98.1 Write a repeated addition equation for equal sets of pictures.  98.2 Identify the multiplication sign.  98.3 Write a multiplication equation for equal sets of pictures.  98.4 Create sets to represent a multiplication equation.  98.5 Explain how multiplication is a tool to help people work.  BWS Working (explain) | Teacher Edition   * IA 36: Hundred Chart   Visuals   * Vis. 1: Hundred Chart * Counters: 8 construction workers * Shapes Kit: 20 circles   BJU Press Trove   * Link: Elephant * G/E: Fact Reviews (Subtraction Facts to 12, p. 35) * PPT pres.: Lesson 098 | | Reviews   * Pp. 179–80 |
| Lesson 99 Writing & Representing Multiplication Equations | | | | |
| Teacher Edition  416–19  Worktext  189–90 | 99.1 Write a repeated addition equation for equal sets of pictures.  99.2 Write a multiplication equation for equal sets of pictures.  99.3 Create sets to represent a multiplication equation.  99.4 Interpret a pictograph by using a key to represent equal sets.  99.5 Write an equation to solve a word problem from a pictograph. | Teacher Edition   * IA 39: Multiplication/Division Mat * IA 40: Savanna Pictograph   BJU Press Trove   * Link: The African Savanna * Link: Linking Cubes * G/E: Fact Reviews (Subtraction Facts to 12, p. 36) * PPT pres.: Lesson 099 | Reviews   * Pp. 181–82 | |

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| Pages | Objectives | Resources | | Assessments |
| Lesson 100 Applying the Order Principle | | | | |
| Teacher Edition  420–23  Worktext  191–92 | 100.1 Construct an array to solve a multiplication equation.  100.2 Identify the factors and the product in a multiplication equation.  100.3 Apply the Order Principle of Multiplication.  100.4 Evaluate the idea that people should avoid using multi­­plication if it seems difficult.  BWS Working (evaluate) | Teacher Edition   * IA 41: Array Grid   Visuals   * Money Kit: 30 pennies   Student Manipulatives   * Matt Clock * Money Kit: 30 pennies   BJU Press Trove   * Link: Clock * Link: Array Multiplication * Link: Array * G/E: Fact Reviews (Subtraction Facts to 12, p. 37) * G/E: Fact Fun Activities * PPT pres.: Lesson 100 | Reviews   * Pp. 183–84 | |
| Lesson 101 Multiplying in Vertical Form | | | | |
| Teacher Edition  424–27  Worktext  193–94 | 101.1 Apply the Order Principle of Multiplication.  101.2 Construct an array to solve a multiplication problem.  101.3 Read a multiplication problem in vertical form.  101.4 Represent a multiplication word problem. | Teacher Edition   * IA 42: Multiplication   Visuals   * Vis. 3: 12-Month Calendar   BJU Press Trove   * Link: Calendars * Link: Array * G/E: Fact Reviews (Subtraction Facts to 12, p. 38) * PPT pres.: Lesson 101 | Reviews   * Pp. 185–86 | |
| Lesson 102 Solving Problems with Multiplication | | | | |
| Teacher Edition  428–31  Worktext  195–96 | 102.1 Construct an array to solve a multiplication problem.  102.2 Draw a picture to solve a word problem. | Visuals   * Money Kit   Student Manipulatives   * Money Kit * Red Mat   BJU Press Trove   * Video: “Persevering with Multiplication” * Video: “Solving Problems with Multiplication” * Link: Money Pieces * G/E: Fact Reviews (Subtraction Facts to 12, p. 39) * PPT pres.: Lesson 102 | Reviews   * Pp. 187–88 | |

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| Pages | Objectives | Resources | | Assessments |
| Lesson 103 Review | | | | |
| Teacher Edition  432–35  Worktext  197–98 | 103.1 Recall concepts and terms from Chapter 11. | Teacher Edition   * IA 39: Multiplication/Division Mat * IA 41: Array Grid   BJU Press Trove   * Link: Linking Cubes * G/E: Fact Reviews (Subtraction Facts to 12, p. 40) * G/E: Fact Fun Activities * PPT pres.: Lesson 103 | Worktext   * Chapter 11 Review   Reviews   * Pp. 189–90 | |
| Lesson 104 Test, Cumulative Review | | | | |
| Teacher Edition  436–38  Worktext  199 | 104.1 Demonstrate knowledge of concepts from Chapter 11 by taking the test. | Visuals   * Vis. 1: Hundred Chart | Worktext   * Cumulative Review   Reviews   * Pp. 191–92   Assessments   * Chapter 11 Test   BJU Press Trove   * Chapter 11 test bank | |

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| Chapter 12: Subtraction: 3-Digit Numbers | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 105 Subtracting 3-Digit Numbers | | | |
| Teacher Edition  444–47  Worktext  200–202 | 105.1 Subtract 3-digit numbers by separating a set.  105.2 Subtract 3-digit numbers without renaming.  105.3 Count by 100s to 1,000.  105.4 Estimate the difference of a subtraction problem by rounding to the nearest hundred.  105.5 Explain how subtraction with 3-digit numbers helps people fulfill the Creation Mandate.  BWS Exploring (explain) | Teacher Edition   * IA 32: Number Lines   Visuals   * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Place Value Mat * Place Value Kit: hundreds, tens, ones   BJU Press Trove\*   * Video: “A House on Stilts in Zimbabwe” * Link: Number Tiles * Link: Math Fact Practice * G/E: Fact Reviews (Subtraction Facts to 18, p. 41) * G/E: Fact Fun Activities * PPT pres.: Lesson 105 | Reviews   * Pp. 193–94 |
| Lesson 106 Renaming Tens as Ones | | | |
| Teacher Edition  448–51  Worktext  203–4 | 106.1 Rename 1 ten as 10 ones.  106.2 Subtract 3-digit numbers with renaming 1 ten as 10 ones.  106.3 Solve a subtraction word problem involving 3-digit numbers. | Visuals   * Vis. 1: Hundred Chart * Vis. 9: Problem-Solving Plan * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Place Value Mat * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * Link: Number Tiles * G/E: Fact Reviews (Subtraction Facts to 18, p. 42) * PPT pres.: Lesson 106 | Reviews   * Pp. 195–96 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 107 Renaming Hundreds as Tens | | | |
| Teacher Edition  452–55  Worktext  205–6 | 107.1 Rename 1 hundred as 10 tens.  107.2 Subtract 3-digit numbers with renaming 1 hundred as 10 tens.  107.3 Solve a comparison word ­problem. | Visuals   * Shapes Kit: 1 circle, 1 square,  1 triangle, 1 rectangle * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Place Value Mat * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * Video: “Renaming Hundreds as Tens” * Link: Number Tiles * Link: David Livingstone for Children * Link: David Livingstone Biographical Summary * G/E: Fact Reviews (Subtraction Facts to 18, p. 43) * PPT pres.: Lesson 107 | Reviews   * Pp. 197–98 |
| Lesson 108 Checking Subtraction with Addition | | | |
| Teacher Edition  456–59  Worktext  207–8 | 108.1 Subtract 3-digit numbers, renaming 1 hundred as 10 tens or 1 ten as 10 ones.  108.2 Check a subtraction problem with addition.  108.3 Solve a word problem that contains extra information.  108.4 Evaluate a choice involving math from the perspective of biblical teaching.  BWS Exploring (evaluate) | Teacher Edition   * IA 43: More Extra Information Problems   Visuals   * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * Link: Number Tiles * PPT pres.: Lesson 108 | Reviews   * Pp. 199–200 |
| Lesson 109 Subtracting with or without Renaming | | | |
| Teacher Edition  460–63  Worktext  209–10 | 109.1 Subtract 3-digit numbers with or without renaming.  109.2 Check a subtraction problem with addition.  109.3 Solve a word problem that contains extra information. | Visuals   * Vis. 10: Customary Measurement: Capacity & Weight   BJU Press Trove   * Link: Baobab Tree * Link: The Big Tree Victoria Falls * G/E: Fact Fun Activities * PPT pres.: Lesson 109 | Reviews   * Pp. 201–2 |

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| Lesson 110 Subtracting Money | | | |
| Teacher Edition  464–67  Worktext  211–12 | 110.1 Rename 1 dollar as 10 dimes.  110.2 Solve a 3-digit money problem with renaming.  110.3 Solve a multistep money word problem. | Visuals   * Shapes Kit: 1 circle, 1 triangle * Money Kit: three 1-dollar bills, 14 dimes, 5 pennies   Student Manipulatives   * Rulers: yard tape   BJU Press Trove   * Video: “Multistep Money Word Problems” * Link: Victoria Falls National Park * Link: Money Pieces * G/E: Fact Fun Activities * PPT pres.: Lesson 110 | Reviews   * Pp. 203–4 |
| Lesson 111 Solving Problems with Subtraction | | | |
| Teacher Edition  468–71  Worktext  213–14 | 111.1 Subtract 3-digit numbers with and without renaming.  111.2 Solve a subtraction money word problem. | Teacher Edition   * IA 44: Money Problems   BJU Press Trove   * Video: “Right Choices with Math” * PPT pres.: Lesson 111 | Reviews   * Pp. 205–6 |
| Lesson 112 Review | | | |
| Teacher Edition  472–75  Worktext  215–16 | 112.1 Recall concepts and terms from Chapter 12. | Teacher Edition   * IA 45: Subtraction Problems   Visuals   * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Place Value Kit: hundreds, tens, ones   BJU Press Trove   * Link: Number Tiles * G/E: Fact Fun Activities * PPT pres.: Lesson 112 | Worktext   * Chapter 12 Review   Reviews   * Pp. 207–8 |

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| Lessons 113–14 STEM Coding: Origami Crew | | | |
| Teacher Edition  476–79  Worktext  217–20 | 113–14.1 Follow the Engineering Design Process to solve a problem.  113–14.2 Find a solution to a problem by decomposing it into simpler steps.  113–14.3 Follow an algorithm to fold an origami figure.  113–14.4 Debug an algorithm.  113–14.5 Arrange the steps of an algorithm in the proper sequence.  113–14.6 Test a solution by making a model.  113–14.7 Improve a model.  113–14.8 Give an example of using origami to bring glory to God by caring for others.  BWS Caring (apply) | Teacher Edition   * IA 46a–b: Origami Dog * IA 17: STEM Engineering Design Process * IA 47: Origami Algorithm   BJU Press Trove   * Video: “Artistic Algorithms” * Link: Mice of the Herring Bone DVD Trailer * PPT pres.: Lessons 113–14 | Teacher Edition   * IA 48: Coding Rubric: Origami Crew |
| Lesson 115 Test, Cumulative Review | | | |
| Teacher Edition  480–82  Worktext  221; 373–74 | 115.1 Demonstrate knowledge of concepts from Chapter 12 by taking the test. | Visuals   * Vis. 27: Thermometers * Red Strip   Student Manipulatives   * Thermometers: Fahrenheit * Red Strip | Worktext   * Cumulative Review   Reviews   * Pp. 209–10   Assessments   * Chapter 12 Test   BJU Press Trove   * Chapter 12 test bank |

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| Chapter 13: Multiplication Facts | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 116 Making Equal Sets | | | |
| Teacher Edition  488–91  Worktext  222–24 | 116.1 Write a multiplication equation for equal sets of pictures.  116.2 Write a multiplication equation to solve a word problem.  116.3 Draw a picture to represent a multiplication equation.  116.4 Complete a multiplication problem in vertical form.  116.5 Interpret a pictograph.  116.6 Explain how multiplication  can be used for a right or a wrong purpose.   BWS Caring (explain) | Teacher Edition   * IA 49: Sets * IA 50: Pets Pictograph   BJU Press Trove\*   * Video: “New Cabinets in a French Castle” * Link: Linking Cubes * G/E: Fact Reviews (Subtraction Facts to 18, p. 44) * G/E: Fact Fun Activities * PPT pres.: Lesson 116 | Reviews   * Pp. 211–12 |
| Lesson 117 Multiplying with 2 | | | |
| Teacher Edition  492–95  Worktext  225–26 | 117.1 Identify the factors and the product in a multiplication problem.  117.2 Apply the Order Principle of Multiplication.  117.3 Complete a multiplication fact with 2 as a factor.  117.4 Solve a multiplication word  problem. | Teacher Edition   * IA 39: Multiplication/Division Mat   Visuals   * Counters: 6 beavers   Student Manipulatives   * Number Cards: 1–9   BJU Press Trove   * Link: “Frère Jacques” * Link: Linking Cubes * Link: Math Fact Practice * G/E: Fact Reviews (Subtraction Facts to 18, p. 45) * PPT pres.: Lesson 117 | Reviews   * Pp. 213–14 |

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| Lesson 118 Multiplying with 5 | | | |
| Teacher Edition  496–99  Worktext  227–28 | 118.1 Complete a multiplication fact with 5 as a factor.  118.2 Solve a multiplication equation by using a number line.  118.3 Identify the Order Principle of Multiplication.  118.4 Write a multiplication equation to solve a word problem.  118.5 Write a multiplication word problem with 5 as a factor. | Visuals   * Shapes Kit: 20 rectangles * Number Line   Student Manipulatives   * Number Line   BJU Press Trove   * Link: Number Line * G/E: Fact Reviews (Subtraction Facts to 18, p. 46) * PPT pres.: Lesson 118 | Reviews   * Pp. 215–16 |
| Lesson 119 Multiplying with 10 | | | |
| Teacher Edition  500–503  Worktext  229–30 | 119.1 Complete a multiplication fact with 10 as a factor.  119.2 Apply the Order Principle of Multiplication.  119.3 Write a multiplication equation to solve a word problem.  119.4 Write a word problem for a multiplication equation. | Visuals   * Place Value Kit: 10 tens * Counters: 20 beavers, 20 construction workers   Student Manipulatives   * Place Value Kit: 10 tens   BJU Press Trove   * Link: Number Tiles * G/E: Fact Reviews (Subtraction Facts to 18, p. 47) * PPT pres.: Lesson 119 | Reviews   * Pp. 217–18 |
| Lesson 120 Multiplying with 1 or 0 | | | |
| Teacher Edition  504–7  Worktext  231–32 | 120.1 Complete a multiplication fact with 1 as a factor.  120.2 Apply the Identity Principle of Multiplication.  120.3 Complete a multiplication fact with 0 as a factor.  120.4 Apply the Zero Principle of Multiplication.  120.5 Evaluate using multiplication for a selfish purpose.  BWS Caring (evaluate) | BJU Press Trove   * G/E: Fact Fun Activities * PPT pres.: Lesson 120 | Reviews   * Pp. 219–20 |

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| Lesson 121 Multiplying with 3 | | | |
| Teacher Edition  508–11  Worktext  233–34 | 121.1 Complete a multiplication fact with 3 as a factor.  121.2 Solve a multiplication problem with 3 as a factor by using a number line.  121.3 Write a multiplication equation to solve a word problem.  121.4 Construct an array to solve a multiplication equation. | Teacher Edition   * IA 39: Multiplication/Division Mat * IA 51: Array Worksheet   Visuals   * Vis. 1: Hundred Chart * Number Line   Student Manipulatives   * Number Line   BJU Press Trove   * Video: “Multiplying with 3” * Link: Number Chart * Link: Linking Cubes * Link: Number Line * Link: Array Multiplication * Link: Array * PPT pres.: Lesson 121 | Reviews   * Pp. 221–22 |
| Lesson 122 Multiplying with 4 | | | |
| Teacher Edition  512–15  Worktext  235–36 | 122.1 Complete a multiplication fact with 4 as a factor.  122.2 Solve a multiplication problem with 4 as a factor by using a number line.  122.3 Solve a word problem for a multiplication equation.  122.4 Construct an array to solve a multiplication equation. | Teacher Edition   * IA 36: Hundred Chart * IA 39: Multiplication/Division Mat * IA 51: Array Worksheet   Visuals   * Vis. 1: Hundred Chart * Number Line   BJU Press Trove   * Video: “Multiplying with 4” * Link: Linking Cubes * Link: Number Line * Link: Array * PPT pres.: Lesson 122 | Reviews   * Pp. 223–24 |

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| Lesson 123 Multiplying with 0–5 & 10 | | | |
| Teacher Edition  516–19  Worktext  237–38 | 123.1 Complete a multiplication fact with 0–5 or 10 as a factor.  123.2 Write a multiplication equation to solve a word problem. | Teacher Edition   * IA 51: Array Worksheet * IA 52: Multiplication Equations   Visuals   * Vis. 1: Hundred Chart   Student Manipulatives   * Number Line   BJU Press Trove   * Video: “Multiplication Helps Me Care” * Link: Number Line * Link: Array * PPT pres.: Lesson 123 | Reviews   * Pp. 225–26 |
| Lesson 124 Review | | | |
| Teacher Edition  520–23  Worktext  239–40 | 124.1 Recall concepts and terms from Chapter 13. | Teacher Edition   * IA 51: Array Worksheet * IA 53: Multiplication Review   Visuals   * Number Line   BJU Press Trove   * Link: Number Line * Link: Array * G/E: Fact Fun Activities * PPT pres.: Lesson 124 | Worktext   * Chapter 13 Review   Reviews   * Pp. 227–28 |
| Lesson 125 Test, Cumulative Review | | | |
| Teacher Edition  524–26  Worktext  241 | 125.1 Demonstrate knowledge of concepts from Chapter 13 by taking the test. | Student Manipulatives   * Counters: 12 construction workers | Worktext   * Cumulative Review   Reviews   * Pp. 229–30   Assessments   * Chapter 13 Test   BJU Press Trove   * Chapter 13 test bank |

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| Pages | Objectives | Resources | Assessments |
| Lesson 126 Identifying Equal Parts | | | |
| Teacher Edition  532–35  Worktext  242–44 | 126.1 Read a fraction.  126.2 Identify 2/2, 3/3, 4/4, 6/6, and 8/8 as the same as 1 whole.  126.3 Identify shapes that are partitioned into equal parts.  126.4 Identify the number of equal parts in a shape.  126.5 Name the equal parts of a shape.  126.6 Write a fraction that names part of a shape. | Teacher Edition   * IA 54: Equal or Not Equal * IA 55: Fraction Workmat   Visuals   * Vis. 16: Halves, Thirds, Fourths * Vis. 17: Sixths, Eighths * Fraction Kit   Student Manipulatives   * Fraction Kit   BJU Press Trove\*   * Video: “Tulips in the Netherlands” * Link: Fraction Manipulatives * Link: Math Fact Practice * PPT pres.: Lesson 126 | Reviews   * Pp. 231–32 |
| Lesson 127 Writing & Identifying Fractions | | | |
| Teacher Edition  536–39  Worktext  245–46 | 127.1 Read a fraction.  127.2 Write a fraction that names part of a shape.  127.3 Color part of a shape to represent a fraction.  127.4 Partition a shape in different ways to show the same number of equal parts.  127.5 Determine when a problem requires more than a math answer.  BWS Working (explain) | Teacher Edition   * IA 56: Fractional Parts * IA 57a–b: Partitioning a Shape   Visuals   * Vis. 16: Halves, Thirds, Fourths * Vis. 17: Sixths, Eighths   BJU Press Trove   * Link: Fraction Manipulatives * PPT pres.: Lesson 127 | Reviews   * Pp. 233–34 |

\*Digital resources for homeschool users are available on Homeschool Hub.

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| Pages | Objectives | Resources | Assessments |
| Lesson 128 Probability; Comparing Like Fractions | | | |
| Teacher Edition  540–43  Worktext  247–48 | 128.1 Predict the results of a probability activity.  128.2 Record the results of a probability activity.  128.3 Compare fractions that have common denominators by using > and <. | Teacher Edition   * IA 55: Fraction Workmat   Visuals   * Fraction Kit   Student Manipulatives   * Number Cards: 0–9 * Fraction Kit   BJU Press Trove   * Link: Fraction Manipulatives * G/E: Fact Reviews (Multiplication Facts with 0, p. 48) * PPT pres.: Lesson 128 | Reviews   * Pp. 235–36 |
| Lesson 129 Comparing Unlike Fractions | | | |
| Teacher Edition  544–47  Worktext  249–50 | 129.1 Compare fractions that have 1 as the numerator by interpreting a visual display and by using manipulatives.  129.2 Compare fractions that have 1 as the numerator by using > and <.  129.3 Represent a fraction.  129.4 Solve fraction word problems by using manipulatives. | Teacher Edition   * IA 55: Fraction Workmat   Visuals   * Vis. 18: Fraction Bars * Fraction Kit   Student Manipulatives   * Fraction Kit   BJU Press Trove   * Video: “Comparing Unlike Fractions” * Link: Fraction Manipulatives * G/E: Fact Reviews (Multiplication Facts with 1, p. 49) * PPT pres.: Lesson 129 | Reviews   * Pp. 237–38 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 130 Finding Part of a Set | | | |
| Teacher Edition  548–51  Worktext  251–52 | 130.1 Associate a part of a set with a fraction.  130.2 Write a fraction that names part of a set.  130.3 Color part of a set to illustrate a fraction. | Teacher Edition   * IA 13: Clock Number Line * IA 58: Part of a Set   Visuals   * Vis. 18: Fraction Bars * Counters: 8 construction workers, 3 beavers   Student Manipulatives   * Matt Clock   BJU Press Trove   * Link: Fraction Manipulatives * Link: Clock * Link: Counters * PPT pres.: Lesson 130 | Reviews   * Pp. 239–40 |
| Lesson 131 Finding Fair Shares | | | |
| Teacher Edition  552–55  Worktext  253–54 | 131.1 Determine the fraction that names part of a set by using  manipulatives.  131.2 Determine the fair share for  2, 3, or 4 people.  131.3 Solve fraction word problems.  131.4 Evaluate the answer to a  fair-share problem according to biblical teaching about working.  BWS Working (evaluate) | Visuals   * Shapes Kit: 3 red circles, 3 yellow circles * Money Kit: 12 dimes * Fraction Kit   Student Manipulatives   * Shapes Kit: 3 red circles, 3 yellow circles   BJU Press Trove   * Video: “Finding Fair Shares” * Link: Counters * Link: Money Pieces * Link: Fraction Manipulatives * PPT pres.: Lesson 131 | Reviews   * Pp. 241–42 |
| Lesson 132 Circle Graphs | | | |
| Teacher Edition  556–59  Worktext  255–56 | 132.1 Read a circle graph.  132.2 Interpret a circle graph. | Teacher Edition   * IA 59: Circles   Visuals   * Vis. 7: Circle Graph   BJU Press Trove   * Link: Traditional Dutch Gouda Cheesemaking * Link: Circle Graph * PPT pres.: Lesson 132 | Reviews   * Pp. 243–44 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 133 Halves & Fourths | | | |
| Teacher Edition  560–63  Worktext  257–58 | 133.1 Relate 1/4 hour to  15 minutes, 1/2 hour to  30 minutes, 3/4 hour to  45 minutes, and 1 hour to  60 minutes.  133.2 Relate 1/2 foot to 6 inches and 1 foot to 12 inches. | Teacher Edition   * IA 60: Clock Circle * IA 15: Quarter Hour * IA 61: Foot Ruler   Visuals   * Place Value Kit: hundreds, tens, ones   Student Manipulatives   * Number Cards: 0–9 * Rulers: inch   BJU Press Trove   * Video: “Bear One Another’s Burdens” * Link: Clock * Link: Ruler * Link: Number Tiles * PPT pres.: Lesson 133 | Reviews   * Pp. 245–46 |
| Lesson 134 Review | | | |
| Teacher Edition  564–67  Worktext  259–60 | 134.1 Recall concepts and terms from Chapter 14. | Teacher Edition   * IA 54: Equal or Not Equal   Visuals   * Vis. 18: Fraction Bars * Vis. 26: Clock * Fraction Kit * Shapes Kit: 5 yellow circles, 5 red circles * Counters: 12 construction workers * Rulers: inch   Student Manipulatives   * Shapes Kit: 5 yellow circles, 5 red circles   BJU Press Trove   * Link: Fraction Manipulatives * Link: Counters * Link: Clock * Link: Ruler * G/E: Fact Fun Activities * PPT pres.: Lesson 134 | Worktext   * Chapter 14 Review   Reviews   * Pp. 247–48 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 135 Test, Cumulative Review | | | |
| Teacher Edition  568–70  Worktext  261; 375–76 | 135.1 Demonstrate knowledge of concepts from Chapter 14 by taking the test. | Student Manipulatives   * Matt Clock * Rulers: inch   BJU Press Trove   * G/E: Fact Fun Activities * Link: Calendars | Worktext   * Cumulative Review   Reviews   * Pp. 249–50   Assessments   * Chapter 14 Test   BJU Press Trove   * Chapter 14 test bank |

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| Chapter 15: Geometry | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 136 Plane Figures | | | |
| Teacher Edition  576–79  Worktext  262–64 | 136.1 Identify plane figures: triangle, rectangle, square, circle, pentagon, hexagon, and oval.  136.2 Identify sides and vertices of plane figures.  136.3 Construct a triangle, a rectangle, and a square by using a geoboard.  136.4 Identify a slide and a flip.  136.5 Explain why Christians should do their best to learn about plane figures.   BWS Working (explain) | Visuals   * Vis. 19: Plane Figures * Shapes Kit   Student Manipulatives   * Shapes Kit   BJU Press Trove\*   * Video: “Snowstorm!” * Link: Pattern Shapes * Link: Geoboard * Link: Dot Grid Paper * PPT pres.: Lesson 136 | Reviews   * Pp. 251–52 |
| Lesson 137 Patterns | | | |
| Teacher Edition  580–83  Worktext  265–66 | 137.1 Extend letter, number, and shape patterns.  137.2 Identify a slide, a flip, and a turn. | Visuals   * Vis. 1: Hundred Chart * Number Cards: 0–19 * Shapes Kit   Student Manipulatives   * Shapes Kit   BJU Press Trove   * Link: Pattern Shapes * PPT pres.: Lesson 137 | Reviews   * Pp. 253–54 |
| Lesson 138 Making Shapes | | | |
| Teacher Edition  584–87  Worktext  267–68 | 138.1 Compose figures by using pattern blocks.  138.2 Separate figures by using a  geoboard.  138.3 Relate shapes by using a Venn diagram. | Visuals   * Number Cards: decades 10–100 * Shapes Kit   Student Manipulatives   * Shapes Kit   BJU Press Trove   * Link: Geoboard * PPT pres.: Lesson 138 | Reviews   * Pp. 255–56 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 139 Same Size & Shape; Symmetry | | | |
| Teacher Edition  588–91  Worktext  269–70 | 139.1 Identify similar and congruent figures.  139.2 Draw congruent figures.  139.3 Identify symmetrical figures.  139.4 Draw a line of symmetry. | Teacher Edition   * IA 63: Congruent Shapes * IA 64: Symmetrical Shapes * IA 65: Asymmetrical Shapes * IA 66: Shapes   Visuals   * Vis. 20: Similar, Congruent & Symmetrical * Place Value Kit: hundreds, tens, ones * Shapes Kit: 1 triangle,  2 rectangles   Student Manipulatives   * Number Cards: 0–9 * Shapes Kit: 1 triangle   BJU Press Trove   * Link: Number Tiles * Link: Bagpipe Music * Link: Pattern Shapes * G/E: Fact Reviews (Multiplication Facts with 2, p. 50) * PPT pres.: Lesson 139 | Reviews   * Pp. 257–58 |
| Lesson 140 Solid Figures | | | |
| Teacher Edition  592–95  Worktext  271–72 | 140.1 Distinguish between a plane figure and a solid figure.  140.2 Identify solid figures: cube, rectangular prism, pyramid, sphere, cylinder, and cone.  140.3 Identify the number of faces, edges, vertices, and curves of a solid figure.  140.4 Formulate a biblical reason that a Christian should learn geometry.  BWS Working (formulate) | Visuals   * Vis. 1: Hundred Chart * Vis. 21: Faces, Edges, Vertices & Curves * Vis. 22: Solid Figures * Shapes Kit: 1 square   BJU Press Trove   * Link: Vocabulary Cards * Link: Pattern Shapes * PPT pres.: Lesson 140 | Reviews   * Pp. 259–60 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 141 Perimeter | | | |
| Teacher Edition  596–99  Worktext  273–74 | 141.1 Find the perimeter of a figure by using inches, feet, or yards.  141.2 Measure to find the perimeter of a figure by using inches.  141.3 Solve perimeter word problems. | Visuals   * Vis. 22: Solid Figures * Vis. 23: Perimeter * Fraction Kit * Rulers: inch   Student Manipulatives   * Rulers: inch   BJU Press Trove   * Video: “Perimeter” * PPT pres.: Lesson 141 | Reviews   * Pp. 261–62 |
| Lesson 142 Lines | | | |
| Teacher Edition  600–603  Worktext  275–76 | 142.1 Draw a line of a given length in inches.  142.2 Identify horizontal and  vertical lines.  142.3 Identify parallel and intersecting lines. | Visuals   * Vis. 24: Horizontal & Vertical * Vis. 25: Parallel & Intersecting Lines   BJU Press Trove   * Link: Math Fact Practice * PPT pres.: Lesson 142 | Reviews   * Pp. 263–64 |
| Lesson 143 Review of Lines | | | |
| Teacher Edition  604–7  Worktext  277–78 | 143.1 Draw a line of a given length in inches.  143.2 Identify horizontal and vertical lines.  143.3 Identify parallel and intersecting lines.  143.4 Identify solid figures. | Visuals   * Vis. 5: Bar Graph * Vis. 24: Horizontal & Vertical * Vis. 25: Parallel & Intersecting Lines * Vis. 22: Solid Figures   Student Manipulatives   * Rulers: inch   BJU Press Trove   * Video: “Working to Serve” * PPT pres.: Lesson 143 | Reviews   * Pp. 265–66 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 144 Review | | | |
| Teacher Edition  608–11  Worktext  279–80 | 144.1 Recall concepts and terms from Chapter 15. | Teacher Edition   * IA 67: Quilt Squares   Visuals   * Vis. 1: Hundred Chart * Shapes Kit   Student Manipulatives   * Shapes Kit * Rulers: inch * Shapes Kit: 1 triangle, 1 circle,  3 rectangles   BJU Press Trove   * Link: Vocabulary Cards * G/E: Fact Fun Activities * PPT pres.: Lesson 144 | Worktext   * Chapter 15 Review   Reviews   * Pp. 267–68 |
| Lesson 145 Test, Cumulative Review | | | |
| Teacher Edition  612–14  Worktext  281, 377–78 | 145.1 Demonstrate knowledge of  concepts from Chapter 15 by taking the test. | Visuals   * Vis. 27: Thermometers * Red Strip   Student Manipulatives   * Thermometers: Fahrenheit * Red Strip * Rulers: inch   BJU Press Trove   * Link: Thermometer | Worktext   * Cumulative Review   Reviews   * Pp. 269–70   Assessments   * Chapter 15 Test   BJU Press Trove   * Chapter 15 test bank |

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| Chapter 16: Metric Measurement | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 146 Celsius Temperature | | | |
| Teacher Edition  620–23  Worktext  282–84 | 146.1 Identify a metric measuring unit for temperature.  146.2 Match weather-related activities to Celsius temperatures.  146.3 Set a Celsius thermometer to the 5° interval.  146.4 Display on a thermometer 10° more than or 10° less than a given temperature.  146.5 Explain how measuring temperature points to a Creator.  BWS Exploring (explain) | Visuals   * Vis. 13: Temperature * Vis. 27: Thermometers * Red Strip   Student Manipulatives   * Thermometers: Celsius * Red Strip   BJU Press Trove\*   * Video: “Measuring in Australia” * Link: Thermometer * Link: Math Fact Practice * PPT pres.: Lesson 146 | Reviews   * Pp. 271–72 |
| Lesson 147 Using Grams, Kilograms & Liters | | | |
| Teacher Edition  624–27  Worktext  285–86 | 147.1 Identify a metric measuring unit for capacity.  147.2 Determine whether a container has a capacity of more than or less than 1 liter.  147.3 Explain how measuring capacity points to a Creator.  BWS Exploring (explain)  147.4 Identify metric measuring units for mass.  147.5 Determine whether the mass of an object is more than or less than 1 kilogram.  147.6 Determine whether the mass of an object is about 1 gram or more than 1 gram.  147.7 Model the movement of a  balance scale. | Visuals   * Vis. 12: Metric Measurement   BJU Press Trove   * Video: “Using Grams, Kilograms & Liters” * Link: Balance Scale * G/E: Fact Reviews (Multiplication Facts with 5, p. 51) * PPT pres.: Lesson 147 | Reviews   * Pp. 273–74 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 148 Measuring in Centimeters & Meters | | | |
| Teacher Edition  628–31  Worktext  287–88 | 148.1 Identify metric measuring units for length, height, and distance.  148.2 Measure the length or height of an object to the nearest centimeter or meter.  148.3 Choose the better unit of  measurement for measuring  an object.  148.4 Measure the distance between 2 objects to the nearest centimeter or meter.  148.5 Determine the correct measuring tool.  148.6 Explain how measuring length points to a Creator.  BWS Exploring (explain) | Visuals   * Vis. 12: Metric Measurement * Rulers: centimeter, inch, meter tape   Student Manipulatives   * Rulers: centimeter, meter tape   BJU Press Trove   * Link: Common Brushtail Possum * Link: Ruler * PPT pres.: Lesson 148 | Reviews   * Pp. 275–76 |
| Lesson 149 Estimating & Measuring in Centimeters & Meters | | | |
| Teacher Edition  632–35  Worktext  289–90 | 149.1 Identify a centimeter and a meter.  149.2 Estimate the length of an object to the nearest centimeter or meter.  149.3 Measure the length of an object to the nearest centimeter or meter.  149.4 Choose the closer estimate for the measurement of an object.  149.5 Draw a line of a given length in centimeters.  149.6 Measure to determine how much longer one object is than another.  149.7 Choose the correct measuring tool. | Teacher Edition   * IA 9: Pyramid Pattern   Visuals   * Rulers: centimeter, meter tape   Student Manipulatives   * Shapes Kit * Construction Site Workmat * Rulers: centimeter, meter tape   BJU Press Trove   * Link: Polygons & Shapes * Link: Platypus * Link: Platypus Video * Link: Ruler * PPT pres.: Lesson 149 | Reviews   * Pp. 277–78 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 150 Perimeter | | | |
| Teacher Edition  636–39  Worktext  291–92 | 150.1 Find the perimeter of a figure by using centimeters or meters.  150.2 Measure in centimeters to find the lengths of the sides of a figure.  150.3 Write an addition equation to determine the perimeter of a figure.  150.4 Solve perimeter word problems.  150.5 Formulate a biblical understanding of how measuring points to God’s wisdom and power.  BWS Exploring (formulate) | Visuals   * Vis. 23: Perimeter * Rulers: meter tape   Student Manipulatives   * Rulers: meter tape * Shapes Kit: 1 square * Rulers: centimeter   BJU Press Trove   * Link: Bandicoots * Link: Polygons & Shapes * G/E: Fact Reviews (Multiplication Facts with 10, p. 52) * PPT pres.: Lesson 150 | Reviews   * Pp. 279–80 |
| Lesson 151 Coordinate Graph | | | |
| Teacher Edition  640–43  Worktext  293–94 | 151.1 Locate x and y coordinates on a coordinate graph.  151.2 Write ordered pairs to identify points on a coordinate graph. | Visuals   * Vis. 8: Coordinate Graph * Fraction Kit * Rulers: inch   BJU Press Trove   * Video: “My God is So Big!” * Link: Fraction Manipulatives * Link: Clock * Link: Ruler * Link: Coordinate Graph * Link: Coordinate Graph Printables * PPT pres.: Lesson 151 | Reviews   * Pp. 281–82 |
| Lesson 152 Review | | | |
| Teacher Edition  644–47  Worktext  295–96 | 152.1 Recall concepts and terms from Chapter 16. | Visuals   * Vis. 12: Metric Measurement   Student Manipulatives   * Thermometers: Celsius * Red Strip * Rulers: centimeter, meter tape * Shapes Kit: 1 triangle   BJU Press Trove   * Link: Thermometer * Link: Ruler * Link: Polygons & Shapes * G/E: Fact Fun Activities * PPT pres.: Lesson 152 | Worktext   * Chapter 16 Review   Reviews   * Pp. 283–84 |
| Pages | Objectives | Resources | Assessments | |
| Lessons 153–54 STEM Coding: A Royal Quest | | | | |
| Teacher Edition  648–51  Worktext  297–98 | 153–54.1 Follow the Engineering Design Process to solve a problem.  153–54.2 Complete a conditional statement.  153–54.3 Read a program that contains conditionals.  153–54.4 Write a program that contains conditionals.  153–54.5 Debug code that contains conditionals.  153–54.6 Choose the best program to complete a task.  153–54.7 Write a conditional statement that helps someone solve a problem.  BWS Working (apply) | Teacher Edition   * IA 17: STEM Engineering Design Process * IA 69a–b: Icy Conditions   BJU Press Trove   * Video: “Coding Choices” * Link: Mice of the Seven Seas Resources * Link: Red Light, Green Light Game * Link: Coding Resources * PPT pres.: Lessons 153–54 | Teacher Edition   * IA 70: Coding Rubric: A Royal Quest | |
| Lesson 155 Test, Cumulative Review | | | | |
| Teacher Edition  652–54  Worktext  299, 379–80 | 155.1 Demonstrate knowledge of  concepts from Chapter 16 by taking the test. | Student Manipulatives   * Rulers: centimeter   BJU Press Trove   * Link: Clock * G/E: Fact Fun Activities | Worktext   * Cumulative Review   Reviews   * Pp. 285–86   Assessments   * Chapter 16 Test   BJU Press Trove   * Chapter 16 test bank | |

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| Chapter 17: Exploring 4-Digit Numbers | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 156 Representing 4-Digit Numbers | | | |
| Teacher Edition  660–63  Worktext  300–302 | 156.1 Count by 100s.  156.2 Relate 10 hundreds to 1 thousand.  156.3 Identify the number of thousands, hundreds, tens, and ones in a 4-digit number. | Visuals   * Vis. 2: 1,000 * Place Value Kit: thousands, hundreds, tens, ones   BJU Press Trove\*   * Video: “Action in the Amazon” * Link: Number Tiles * Link: Math Fact Practice * PPT pres.: Lesson 156 | Reviews   * Pp. 287–88 |
| Lesson 157 Writing Standard & Expanded Forms | | | |
| Teacher Edition  664–67  Worktext  303–4 | 157.1 Identify the value of a digit in a 4-digit number.  157.2 Write 4-digit numbers in standard and expanded form.  157.3 Explain how knowing about place value helps people care for others.  BWS Caring (explain) | Teacher Edition   * IA 71: Number Forms   Visuals   * Place Value Kit   Student Manipulatives   * Number Cards: 0–9 and comma   BJU Press Trove   * Video: “Place Value” * Link: Number Tiles * PPT pres.: Lesson 157 | Reviews   * Pp. 289–90 |
| Lesson 158 Adding 4-Digit Numbers | | | |
| Teacher Edition  668–71  Worktext  305–6 | 158.1 Add 4-digit numbers by  joining sets.  158.2 Solve a 4-digit addition problem without renaming.  158.3 Solve a word problem. | Visuals   * Vis. 4: Pictograph * Place Value Kit   BJU Press Trove   * Link: Number Tiles * PPT pres.: Lesson 158 | Reviews   * Pp. 291–92 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 159 Renaming Ones or Tens | | | |
| Teacher Edition  672–75  Worktext  307–8 | 159.1 Add 4-digit numbers with renaming 10 ones as 1 ten or 10 tens as 1 hundred.  159.2 Solve a word problem. | Teacher Edition   * IA 37: COIN-O Board   Visuals   * Money Kit * Place Value Kit   Student Manipulatives   * Money Kit   BJU Press Trove   * Link: Money Pieces * Link: Piranha * Link: Number Tiles * G/E: Fact Reviews (Multiplication Facts with 3, p. 53) * PPT pres.: Lesson 159 | Reviews   * Pp. 293–94 |
| Lesson 160 Renaming Hundreds | | | |
| Teacher Edition  676–79  Worktext  309–10 | 160.1 Rename 10 hundreds as 1 thousand.  160.2 Add 4-digit numbers with renaming 10 hundreds as 1 thousand.  160.3 Solve a word problem. | Visuals   * Place Value Kit   Student Manipulatives   * Thermometers: Celsius * Red Strip * Place Value Kit: hundreds   BJU Press Trove   * Video: “Renaming Hundreds” * Link: Thermometer * Link: Number Tiles * PPT pres.: Lesson 160 | Reviews   * Pp. 295–96 |
| Lesson 161 Subtracting 4-Digit Numbers | | | |
| Teacher Edition  680–83  Worktext  311–12 | 161.1 Subtract 4-digit numbers without renaming.  161.2 Solve a comparison word problem.  161.3 Defend the importance of using math to care for others.  BWS Caring (formulate) | Visuals   * Vis. 1: Hundred Chart * Vis. 18: Fraction Bars * Place Value Kit   BJU Press Trove   * Link: Fraction Manipulatives * Link: Toucan * PPT pres.: Lesson 161 | Reviews   * Pp. 297–98 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 162 Subtracting 4-Digit Numbers with Renaming | | | |
| Teacher Edition  684–87  Worktext  313–14 | 162.1 Rename 1 thousand as  10 hundreds.  162.2 Subtract 4-digit numbers with renaming.  162.3 Write an equation for a word problem. | Visuals   * Vis. 1: Hundred Chart * Place Value Kit   Student Manipulatives   * Place Value Kit: hundreds   BJU Press Trove   * Video: “Why Should I Care?” * Video: “Subtracting 4-Digit Numbers” * PPT pres.: Lesson 162 | Reviews   * Pp. 299–300 |
| Lesson 163 Review | | | |
| Teacher Edition  688–91  Worktext  315–16 | 163.1 Recall concepts and terms from Chapter 17. | Visuals   * Place Value Kit   Student Manipulatives   * Place Value Kit: hundreds   BJU Press Trove   * G/E: Fact Fun Activities * PPT pres.: Lesson 163 | Worktext   * Chapter 17 Review   Reviews   * Pp. 301–2 |
| Lesson 164 Test, Cumulative Review | | | |
| Teacher Edition  692–94  Worktext  317 | 164.1 Demonstrate knowledge of concepts from Chapter 17 by taking the test. | Teacher Edition   * IAs 11a–b: Months of the Year Cards   Visuals   * Vis. 3: 12-Month Calendar   BJU Press Trove   * G/E: Fact Fun Activities | Worktext   * Cumulative Review   Reviews   * Pp. 303–4   Assessments   * Chapter 17 Test   BJU Press Trove   * Chapter 17 test bank |

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| Chapter 18: Introduction to Division | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
| Pages | Objectives | Resources | Assessments |
| Lesson 165 Making Equal Sets | | | |
| Teacher Edition  700–703  Worktext  318–20 | 165.1 Make equal sets within a total set of objects.  165.2 Determine the number of sets of 2 in a total set of objects to complete a division equation.  165.3 Determine the number of sets of 3 in a total set of objects to complete a division equation.  165.4 Explain how making equal sets helps people complete their tasks.  BWS Working (explain) | Teacher Edition   * IA 39: Multiplication/Division Mat   Visuals   * Counters: 20 beavers * Place Value Kit: 12 ones   Student Manipulatives   * Counters: 20 beavers   BJU Press Trove\*   * Video: “Tepees in Canada” * Link: Counters * G/E: Fact Reviews (Multiplication Facts with 4, p. 54) * G/E: Fact Fun Activities * PPT pres.: Lesson 165 | Reviews   * Pp. 305–6 |
| Lesson 166 Reviewing Equal Sets | | | |
| Teacher Edition  704–7  Worktext  321–22 | 166.1 Make equal sets within a total set of objects.  166.2 Determine the number of sets of 2 in a total set of objects to complete a division equation.  166.3 Determine the number of sets of 3 in a total set of objects to complete a division equation. | Teacher Edition   * IA 39: Multiplication/Division Mat   BJU Press Trove   * Link: Linking Cubes * Link: Math Fact Practice * G/E: Fact Reviews (Multiplication Facts with 0 & 1, p. 55) * G/E: Fact Fun Activities * PPT pres.: Lesson 166 | Reviews   * Pp. 307–8 |

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| Pages | Objectives | Resources | Assessments |
| Lesson 167 Exploring Division | | | |
| Teacher Edition  708–11  Worktext  323–24 | 167.1 Associate the numerals in a  multiplication or division  equation with what each  represents.  167.2 Relate a division equation to a multiplication equation by using manipulatives or pictures.  167.3 Identify the division sign.  167.4 Write related multiplication and division equations.  167.5 Complete a missing-factor  equation.  167.6 Defend the idea that perseverance in a division problem is pleasing to God.  BWS Working (formulate) | Teacher Edition   * IA 39: Multiplication/Division Mat   Visuals   * Number Line * Counters: 2 construction workers * Shapes Kit: 1 triangle   BJU Press Trove   * Link: Beavers * Link: Why Do Beavers Build Dams? * Link: Number Line * Link: Linking Cubes * G/E: Fact Reviews (Multiplication Facts with 0, 1 & 2, p. 56) * G/E: Fact Fun Activities * PPT pres.: Lesson 167 | Reviews   * Pp. 309–10 |
| Lesson 168 Relating Multiplication & Division | | | |
| Teacher Edition  712–15  Worktext  325–26 | 168.1 Associate the numerals in a  multiplication or division  equation with what each  represents.  168.2 Relate a division equation to a multiplication equation by using manipulatives or pictures.  168.3 Write related multiplication and division equations.  168.4 Complete a missing-factor  equation. | Teacher Edition   * IA 72: Spinner * IA 39: Multiplication/Division Mat   Visuals   * Counters: 20 construction workers   Student Manipulatives   * Counters: 20 construction workers   BJU Press Trove   * Video: “Divide to Conquer” * Link: Spinner * Link: Counters * G/E: Fact Reviews (Multiplication Facts with 2 & 5, p. 57) * PPT pres.: Lesson 168 | Reviews   * Pp. 311–12 |

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| Lesson 169 Review | | | |
| Teacher Edition  716–19  Worktext  327–28 | 169.1 Recall concepts and terms from Chapter 18. | Teacher Edition   * IA 39: Multiplication/Division Mat   Visuals   * Counters: 20 beavers   Student Manipulatives   * Counters: 20 beavers   BJU Press Trove   * Link: Counters * G/E: Fact Fun Activities * PPT pres.: Lesson 169 | Worktext   * Chapter 18 Review   Reviews   * Pp. 313–14 |
| Lesson 170 Test, Cumulative Review | | | |
| Teacher Edition  720–22  Worktext  329 | 170.1 Demonstrate knowledge of concepts from Chapter 18 by taking the test. | Visuals   * Vis. 12: Metric Measurement | Worktext   * Cumulative Review   Reviews   * Pp. 315–16   Assessments   * Chapter 18 Test   BJU Press Trove   * Chapter 18 test bank |

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| Chapter 19: Division Facts | | | |
| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
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| Lesson 171 Dividing by 2 or 3 | | | |
| Teacher Edition  726–29  Worktext  330–32 | 171.1 Make equal sets of 2 or 3 within a total set of objects.  171.2 Write a division equation.  171.3 Complete a division fact with 2 or 3 as the divisor.  171.4 Explain how division helps people care for others.  BWS Caring (explain) | Teacher Edition   * IA 39: Multiplication/Division Mat   Visuals   * Shapes Kit: 25 shapes   Student Manipulatives   * Shapes Kit: 25 shapes   BJU Press Trove\*   * Video: “Home Again” * Link: Counters * Link: Math Fact Practice * G/E: Fact Reviews (Multiplication Facts with 2, 5 & 10, p. 58) * G/E: Fact Fun Activities * PPT pres.: Lesson 171 | Reviews   * Pp. 317–18 |
| Lesson 172 Dividing by 4 or 5 | | | |
| Teacher Edition  730–33  Worktext  333–34 | 172.1 Make equal sets of 4 or 5 within a total set of objects.  172.2 Write a division equation.  172.3 Complete a division fact with 4 or 5 as the divisor.  172.4 Solve a division equation for a word problem. | Teacher Edition   * IA 39: Multiplication/Division Mat   Visuals   * Money Kit: 30 pennies   Student Manipulatives   * Money Kit: 30 pennies   BJU Press Trove   * Link: Money Pieces * G/E: Fact Reviews (Multiplication Facts with 0–2, 5 & 10, p. 59) * PPT pres.: Lesson 172 | Reviews   * Pp. 319–20 |

\*Digital resources for homeschool users are available on Homeschool Hub.

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| Lesson 173 Dividing by 1 | | | |
| Teacher Edition  734–37  Worktext  335–36 | 173.1 Make sets of 1 within a total set of objects.  173.2 Complete a division fact with 1 as the divisor.  173.3 Solve a division equation for a word problem.  173.4 Apply knowledge of division to care for others.  BWS Caring (apply) | Teacher Edition   * IA 39: Multiplication/Division Mat   Visuals   * Shapes Kit: 9 circles   Student Manipulatives   * Shapes Kit: 15 circles   BJU Press Trove   * Link: Counters * G/E: Fact Reviews (Multiplication Facts with 0–2, 5 & 10, p. 60) * PPT pres.: Lesson 173 | Reviews   * Pp. 321–22 |
| Lesson 174 Problem Solving with Division | | | |
| Teacher Edition  738–41  Worktext  337–38 | 174.1 Complete a division fact with 1, 2, 3, 4, or 5 as the divisor.  174.2 Solve a word problem by using representations. | Teacher Edition   * IA 73: Candy Machine Mat   BJU Press Trove   * Video: “Applying Division” * Video: “Problem Solving with Division” * Link: Counters * PPT pres.: Lesson 174 | Reviews   * Pp. 323–24 |
| Lesson 175 Review | | | |
| Teacher Edition  742–45  Worktext  339–40 | 175.1 Recall concepts and terms from Chapter 19. | Teacher Edition   * IA 73: Candy Machine Mat   BJU Press Trove   * Link: Money Pieces * G/E: Fact Fun Activities * PPT pres.: Lesson 175 | Worktext   * Chapter 19 Review   Reviews   * Pp. 325–26 |
| Lesson 176 Test, Cumulative Review | | | |
| Teacher Edition  746–48  Worktext  341 | 176.1 Demonstrate knowledge of concepts from Chapter 19 by taking the test. |  | Worktext   * Cumulative Review   Reviews   * Pp. 327–28   Assessments   * Chapter 19 Test   BJU Press Trove   * Chapter 19 test bank |

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| Chapter 20: Coding |

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| IA Instructional Aid  G/E game/enrichment  Vis. Visual  PPT pres. PowerPoint presentation | | | |
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| Lesson 177 Programming a Pal |

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| Teacher Edition  752–54  Worktext  342–46 | 177.1 Plan a path on a grid page.  177.2 Compose an algorithm.  177.3 Write a coded program based on an algorithm.  177.4 Execute a program by using physical actions to locate a destination. | Teacher Edition   * IA 4: Square Grid   BJU Press Trove\*   * PPT pres.: Lesson 177 |  |

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| Lesson 178 Cracking a Binary Code |

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| Teacher Edition  755–57  Worktext  347–50 | 178.1 Associate the term binary code with computer language.  178.2 Identify a pattern of numbered blocks as a unique binary code.  178.3 Identify alphabet letters represented by binary codes.  178.4 Decode a word represented by binary code.  178.5 Construct a message from a  set of words decoded from a  computer language. | Teacher Edition   * IA 74: Binary Code Cards   BJU Press Trove   * Link: How Coding Works * Link: Linking Cubes * Link: ASCII Binary Character Table * PPT pres.: Lesson 178 |  |

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| Lesson 179 Artful Algorithms |

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| Teacher Edition  758–60  Worktext  351–52 | 179.1 Decompose a problem into simpler steps.  179.2 Compose an algorithm for assembling a figure.  179.3 Verbalize an algorithm.  179.4 Follow verbal instructions to construct a figure.  179.5 Debug an algorithm. | BJU Press Trove   * PPT pres.: Lesson 179 |  |

\*Digital resources for homeschool users are available on Homeschool Hub.

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| Lesson 180 Putting It All Together |

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| Teacher Edition  761–64  Worktext  353–56 | 180.1 Decompose a problem into simpler steps.  180.2 Compose an algorithm that includes loops and conditional statements for assembling  a puzzle.  180.3 Identify a looped step in  an algorithm.  180.4 Identify a conditional statement in an algorithm.  180.5 Debug an algorithm. | Teacher Edition   * IA 75: Algorithm   Student Manipulatives   * Jigsaw Puzzle   BJU Press Trove   * Link: Computational Thinking * Link: Jigsaw Puzzle Store * Link: Digital Jigsaw Puzzle * PPT pres.: Lesson 180 |  |