

LESSON PLAN OVERVIEW

MATH 2, 5TH EDITION

Chapter 1: Addition Facts			
IA Instructional Aid		G/E game/enrichment	
Vis. Visual		PPT pres. PowerPoint presentation	
Pages	Objectives	Resources	Assessments
Lesson 1 <i>Counting On</i> 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 <i>counting on</i> 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. <u>BWS</u> 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 <i>Adding with 5; Order Principle</i>			
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 <i>Adding Doubles; Bar Graphs</i>			
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: <i>Favorite Colors Bar Graph</i> 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.

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. <u>BWS</u> Caring (explain)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Counters: 20 construction workers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–20 • Counters: 20 construction workers • Construction Site Workmat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • PPT pres.: Lesson 004 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit: 9 dimes <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–20 • Ten Bar Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Linking Cubes • PPT pres.: Lesson 005 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 5: <i>Ten Bar</i> • IA 3: <i>Favorite Colors Bar Graph</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–20 • Ten Bar Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Linking Cubes • PPT pres.: Lesson 006 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 11–12

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 <ul style="list-style-type: none"> IA 5: <i>Ten Bar</i> Visuals <ul style="list-style-type: none"> Number Line Puppets: Paddy Student Manipulatives <ul style="list-style-type: none"> Number Cards: 0–20 Ten Bar Mat BJU Press Trove <ul style="list-style-type: none"> Link: Linking Cubes PPT pres.: Lesson 007 	Reviews <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Counters: 12 construction workers Student Manipulatives <ul style="list-style-type: none"> Number Cards: 0–20 Red Mat BJU Press Trove <ul style="list-style-type: none"> Video: “Caring for Others” Link: Linking Cubes PPT pres.: Lesson 008 	Reviews <ul style="list-style-type: none"> Pp. 15–16
Lesson 9 Review			
Teacher Edition 38–41 Worktext 19–20	9.1 Recall concepts and terms from Chapter 1.	Teacher Edition <ul style="list-style-type: none"> IA 3: <i>Favorite Colors Bar Graph</i> IA 5: <i>Ten Bar</i> Visuals <ul style="list-style-type: none"> Number Line Shapes Kit: 5 red circles, 9 blue circles Student Manipulatives <ul style="list-style-type: none"> Number Cards: 0–20 Ten Bar Mat BJU Press Trove <ul style="list-style-type: none"> Link: Linking Cubes PPT pres.: Lesson 009 	Worktext <ul style="list-style-type: none"> Chapter 1 Review Reviews <ul style="list-style-type: none"> Pp. 17–18

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart (extended) • Number Cards: 0–19 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–20 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • First Grade Review <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 1 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 1 test bank

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 <i>ten</i> to <i>one hundred</i> . 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. <u>BWS</u> Exploring (recall)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Cards: decades 10–100 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Mats: Ones, Tens <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 3: 12-Month Calendar • Place Value Kit: tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Sod Houses on the Prairie • Link: Number Tiles • Link: Number Tiles. • PPT pres.: Lesson 012 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 21–22

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

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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 7: <i>Before/After/Between</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Money Kit: 1 dime, 10 pennies • Rulers: meter tape <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Money Pieces • Link: Number Chart • PPT pres.: Lesson 013 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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 <i>more</i> and <i>less</i> .	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 8: <i>More or Less</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart (extended) <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “1 More, 1 Less; 10 More, 10 Less” • Link: Linking Cubes • Link: Number Chart • PPT pres.: Lesson 014 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Money Kit: 12 dimes, 10 nickels, 10 pennies <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Money Pieces • Link: Number Chart • Link: Comparing Number Values • PPT pres.: Lesson 015 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 27–28

Pages	Objectives	Resources	Assessments
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. <u>BWS</u> Exploring (explain)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • PPT pres.: Lesson 016 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Line • Puppets: Paddy • Counters: 10 beavers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Counters: 10 beavers <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • PPT pres.: Lesson 017 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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 <i>first</i> to <i>twentieth</i> . 18.2 Locate objects in the ordinal positions <i>first</i> to <i>twentieth</i> . 18.3 Determine the middle number. 18.4 Round numbers to the nearest ten.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Cards: 1–20 • Number Line • Counters: 11 construction workers • Shapes Kit: 2 circles <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Place Value Solves the Problem” • PPT pres.: Lesson 018 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 33–34
Lesson 19 Review			
Teacher Edition 80–83 Worktext 39–40	19.1 Recall concepts and terms from Chapter 2.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Place Value Kit: tens, ones • Number Cards: decades 10–100 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities • PPT pres.: Lesson 019 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 2 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 35–36

Pages	Objectives	Resources	Assessments
Lesson 20 Test, Cumulative Review			
<p>Teacher Edition 84–86</p> <p>Worktext 41, 359–60</p>	<p>20.1 Demonstrate knowledge of concepts from Chapter 2 by taking the test.</p>	<p>Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Analog Clock 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 37–38 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 2 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 2 test bank

Chapter 3: Subtraction Facts

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
Lesson 21 <i>Counting Back 1 or 2</i>			
Teacher Edition 92–95 Worktext 42–44	21.1 Model subtraction by separating a set. 21.2 Use the <i>counting back</i> strategy to subtract 1 or 2. 21.3 Recall that God created people to work. <u>BWS</u> Working (recall)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Counters: 12 beavers • Number Line <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Line <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • Video: “Adventure in Alaska” • Link: Math Fact Practice • G/E: Fact Reviews (Addition Facts to 6, p. 1) • PPT pres.: Lesson 021 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 39–40
Lesson 22 <i>Subtracting 0, All & Nearly All</i>			
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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Line • Shapes Kit: 2 circles • Counters: 9 beavers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Puppets: Matt • Number Line <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Reviews (Addition Facts to 8, p. 2) • PPT pres.: Lesson 022 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 41–42
Lesson 23 <i>Subtracting from 10; Fact Families for 10</i>			
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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • 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 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Ten Bar Mat • Money Kit: 10 pennies <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Reviews (Addition Facts to 8, p. 3) • PPT pres.: Lesson 023 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Working (explain)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • 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 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Line • Puppets: Matt, Paddy <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • PPT pres.: Lesson 024 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • 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 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–20 • Ten Bar Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Chart • Link: Linking Cubes • PPT pres.: Lesson 025 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 4: Pictograph • Fact Family Flashcards: 4-9-13, 5-8-13, 6-7-13, 5-9-14, 6-8-14, 7-7-14 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–20 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Linking Cubes • PPT pres.: Lesson 026 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 49–50

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • 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 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–20 • Ten Bar Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Working in God’s World” • Link: Linking Cubes • PPT pres.: Lesson 027 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 51–52
Lesson 28 Review			
Teacher Edition 120–23 Worktext 57–58	28.1 Recall concepts and terms from Chapter 3.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 4: Pictograph • Vis. 9: Problem-Solving Plan • Number Line • Fact Family Flashcards: 4-6-10, 4-8-12, 9-9-18 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Line • Puppets: Matt, Paddy <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities • PPT pres.: Lesson 028 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 3 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Rounding Numbers 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 55–56 <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 3 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 3 test bank

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			
<p>Teacher Edition 132–35</p> <p>Worktext 60–62</p>	<p>30.1 Name in order the days of the week and the months of the year.</p> <p>30.2 Use a calendar.</p> <p>30.3 Interpret a pictograph.</p> <p>30.4 Recall that God created time. <u>BWS</u> Exploring (recall)</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IAs 10a–b: <i>Days of the Week Cards</i> • IAs 11a–b: <i>Months of the Year Cards</i> • IA 12: <i>Pictograph</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 3: 12-Month Calendar <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 57–58
Lesson 31 Time to the Hour & Half Hour			
<p>Teacher Edition 136–39</p> <p>Worktext 63–64</p>	<p>31.1 Write time to the hour and the half hour.</p> <p>31.2 Differentiate between a.m./p.m. and noon/midnight.</p> <p>31.3 Determine the elapsed time.</p> <p>31.4 Read a table to use a schedule.</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 13: <i>Clock Number Line</i> • IA 14: <i>Sightseeing Schedule</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Chart • Link: Clock • G/E: Fact Reviews (Addition Facts to 10, p. 5) • PPT pres.: Lesson 031 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • IA 13: <i>Clock Number Line</i> Visuals <ul style="list-style-type: none"> • Money Kit: 3 dimes, 4 nickels Student Manipulatives <ul style="list-style-type: none"> • Matt Clock BJU Press Trove <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • IA 15: <i>Quarter Hour</i> • IA 14: <i>Sightseeing Schedule</i> Visuals <ul style="list-style-type: none"> • Fraction Kit: 1 whole, four $\frac{1}{4}$ pieces Student Manipulatives <ul style="list-style-type: none"> • Matt Clock BJU Press Trove <ul style="list-style-type: none"> • Video: “Time to the Quarter Hour” • Link: Clock • PPT pres.: Lessons 034–35 	Reviews <ul style="list-style-type: none"> • Pp. 63–64

Pages	Objectives	Resources	Assessments
Lesson 36 Time; Before & After			
Teacher Edition 148–51 Worktext 69–70	36.1 Tell time by using <i>before</i> and <i>after</i> . 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 16: <i>Schedules</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit: 3 dimes, 6 pennies <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “An Orderly World” • Link: Money Pieces • Link: Clock • PPT pres.: Lesson 036 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 65–66
Lesson 37 Review			
Teacher Edition 152–55 Worktext 71–72	37.1 Recall concepts and terms from Chapter 4.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 16: <i>Schedules</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 3: 12-Month Calendar <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Calendars • Link: Clock • G/E: Fact Fun Activities • PPT pres.: Lesson 037 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 4 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Exploring (explain)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 17: <i>STEM Engineering Design Process</i> • IA 18: <i>Treasure Map</i> • IA 4: <i>Square Grid</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Locating Treasure” • Link: <i>Mice of the Herring Bone</i> Resources • Link: Coding Resources • PPT pres.: Lessons 038–39 	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 19: <i>Coding Rubric: Locating the Queen’s Treasure</i>

Pages	Objectives	Resources	Assessments
Lesson 40 Test, Cumulative Review			
<p>Teacher Edition 160–62</p> <p>Worktext 75, 363–64</p>	<p>40.1 Demonstrate knowledge of concepts from Chapter 4 by taking the test.</p>	<p>Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Vis. 3: 12-Month Calendar • Place Value Kit: tens, ones <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Chart • Link: Number Tiles • Link: Clock 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 69–70 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 4 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 4 test bank

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			
<p>Teacher Edition 168–71</p> <p>Worktext 76–78</p>	<p>41.1 Join sets for 2-digit addends.</p> <p>41.2 Write an addition equation to solve a word problem.</p> <p>41.3 Solve 2-digit addition problems in vertical form.</p> <p>41.4 Estimate the sum by rounding to the nearest ten.</p> <p>41.5 Explain how addition helps people care for others. <u>BWS</u> Caring (explain)</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Line • Shapes Kit: 2 circles • Counters: 1 beaver • Place Value Kit: tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Kit: tens, ones • Tens/Ones Mat <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 71–72
Lesson 42 Adding with Renaming			
<p>Teacher Edition 172–75</p> <p>Worktext 79–80</p>	<p>42.1 Solve a word problem by using the Problem-Solving Plan.</p> <p>42.2 Rename 10 ones as 1 ten.</p> <p>42.3 Solve an addition problem by using a bar graph.</p> <p>42.4 Add 2-digit numbers with renaming.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 9: Problem-Solving Plan • Vis. 5: Bar Graph • Number Line • Place Value Kit: tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Tens/Ones Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Adding with Renaming” • Link: Linking Cubes • Link: Number Tiles • G/E: Fact Reviews (Addition Facts to 10, p. 8) • PPT pres.: Lesson 042 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 73–74

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

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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 20: <i>Extra Information Problems</i> <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Tens/Ones Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • G/E: Fact Reviews (Subtraction Facts to 6, p. 23) • PPT pres.: Lesson 043 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fraction Kit: 1 whole, three 1/3 pieces • Money Kit: 9 dimes, 16 pennies <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Money Kit: 9 dimes, 16 pennies • Red Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: U.S. Mint Coin Classroom • Link: Spinner • G/E: Fact Reviews (Subtraction Facts to 6, p. 24) • PPT pres.: Lesson 044 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Caring (explain)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Line <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • PPT pres.: Lesson 045 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 79–80

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 <ul style="list-style-type: none"> • Link: Clock • PPT pres.: Lesson 046 	Reviews <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Vis. 5: Bar Graph • Place Value Kit: tens, ones BJU Press Trove <ul style="list-style-type: none"> • Video: “Addition Shows I Care” • Link: Clock • Link: Number Tiles • G/E: Fact Fun Activities • PPT pres.: Lesson 047 	Reviews <ul style="list-style-type: none"> • Pp. 83–84
Lesson 48 Review			
Teacher Edition 196–99 Worktext 91–92	48.1 Recall concepts and terms from Chapter 5.	Visuals <ul style="list-style-type: none"> • Place Value Kit: tens, ones BJU Press Trove <ul style="list-style-type: none"> • Link: Number Tiles • G/E: Fact Fun Activities • PPT pres.: Lesson 048 	Worktext <ul style="list-style-type: none"> • Chapter 5 Review Reviews <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Vis. 9: Problem-Solving Plan 	Worktext <ul style="list-style-type: none"> • Cumulative Review Reviews <ul style="list-style-type: none"> • Pp. 87–88 Assessments <ul style="list-style-type: none"> • Chapter 5 Test BJU Press Trove <ul style="list-style-type: none"> • Chapter 5 test bank

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			
<p>Teacher Edition 208–11</p> <p>Worktext 94–96</p>	<p>50.1 Identify measuring units for weight.</p> <p>50.2 Model the movement of a balance scale.</p> <p>50.3 Determine whether an object weighs more than or less than 1 pound or 1 ounce.</p> <p>50.4 Identify a measuring unit for temperature.</p> <p>50.5 Represent temperature to the 5° interval by using a Fahrenheit thermometer.</p> <p>50.6 Identify 10° more than or 10° less than a given temperature.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 10: Customary Measurement: Capacity & Weight • Vis. 13: Temperature • Vis. 27: Thermometers • Fact Family Flashcards: 8-9-17, 9-9-18 • Red Strip <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 8-9-17, 9-9-18 • Thermometers • Red Strip <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 89–90
Lesson 51 Temperature; Cups, Pints, Quarts & Gallons			
<p>Teacher Edition 212–15</p> <p>Worktext 97–98</p>	<p>51.1 Explain why measuring works well when people prepare food. BWS Working (explain)</p> <p>51.2 Read a Fahrenheit thermometer.</p> <p>51.3 Match weather-related activities to Fahrenheit temperatures.</p> <p>51.4 Identify measuring units for capacity.</p> <p>51.5 Compare cups, pints, quarts, and gallons.</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 21: <i>Temperatures</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 13: Temperature • Vis. 10: Customary Measurement: Capacity & Weight • Fact Family Flashcards: 7-9-16, 8-8-16 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 7-9-16, 8-8-16 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Ducky Race Subtraction • G/E: Fact Reviews (Addition Facts to 12, p. 10) • PPT pres.: Lesson 051 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 91–92

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

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 6-9-15, 7-8-15 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 6-9-15, 7-8-15 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Customary Capacity” • G/E: Fact Reviews (Addition Facts to 12, p. 11) • PPT pres.: Lesson 052 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 22: <i>Measurement Worksheet</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Vis. 11: Customary Measurement: Length • Fact Family Flashcards: 5-9-14, 6-8-14 • Rulers: inch • Shapes Kit: 2 circles <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 5-9-14, 6-8-14 • Rulers: inch <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Measuring Game • G/E: Fact Reviews (Addition Facts to 12, p. 12) • PPT pres.: Lesson 053 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 95–96

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 11: Customary Measurement: Length • Place Value Kit: tens, ones • Fact Family Flashcards: 6-7-13, 7-7-14 • Rulers: inch, yard tape <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 6-7-13, 7-7-14 • Rulers: inch, yard tape <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Measuring Works Well” • Link: Number Tiles • PPT pres.: Lesson 054 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Line • Fact Family Flashcards: 4-9-13, 5-8-13 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 4-9-13, 5-8-13 • Rulers: inch, yard tape <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Line • PPT pres.: Lesson 055 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 99–100

Pages	Objectives	Resources	Assessments
Lesson 56 Review			
<p>Teacher Edition 232–35</p> <p>Worktext 107–8</p>	<p>56.1 Recall concepts and terms from Chapter 6.</p>	<p>Visuals</p> <ul style="list-style-type: none"> • Vis. 27: Thermometers • Vis. 10: Customary Measurement: Capacity & Weight • Red Strip • Shapes Kit: 1 circle, 1 triangle <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Thermometers: Fahrenheit • Red Strip • Rulers: inch, yard tape <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Thermometer • Link: Balance Scale • G/E: Fact Fun Activities • PPT pres.: Lesson 056 	<p>Worktext</p> <ul style="list-style-type: none"> • Chapter 6 Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 101–2
Lesson 57 Test, Cumulative Review			
<p>Teacher Edition 236–38</p> <p>Worktext 109, 367–68</p>	<p>57.1 Demonstrate knowledge of concepts from Chapter 6 by taking the test.</p>	<p>Visuals</p> <ul style="list-style-type: none"> • Money Kit: dimes, pennies <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: inch <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Money Pieces 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 103–4 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 6 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 6 test bank

Chapter 7: Subtraction: 2-Digit Numbers

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
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Lesson 58 Subtracting 2-Digit Numbers

<p>Teacher Edition 244–47</p> <p>Worktext 110–12</p>	<p>58.1 Subtract 2-digit numbers without renaming.</p> <p>58.2 Write a subtraction equation to solve a word problem.</p> <p>58.3 Interpret a table to find a difference.</p> <p>58.4 Estimate the difference by rounding to the nearest ten.</p> <p>58.5 Explain how subtraction helps people care for others. <u>BWS</u> Caring (explain)</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 23: <i>Tables</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 5-7-12, 6-6-12 • Place Value Kit: tens, ones • Number Line <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 • Fact Family Flashcards: 5-7-12, 6-6-12 • Tens/Ones Mat • Place Value Kit: tens, ones <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 105–6
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Lesson 59 Subtracting with Renaming

<p>Teacher Edition 248–51</p> <p>Worktext 113–14</p>	<p>59.1 Rename 1 ten as 10 ones.</p> <p>59.2 Subtract a 1-digit number from a 2-digit number with renaming.</p> <p>59.3 Write a subtraction equation to solve a word problem.</p> <p>59.4 Solve a comparison word problem.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 3-9-12, 4-8-12 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Ten Bar Mat • Fact Family Flashcards: 3-9-12, 4-8-12 • Tens/Ones Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Wildlife in India • Link: Peafowl • Link: Linking Cubes • G/E: Fact Reviews (Addition Facts to 12, p. 14) • PPT pres.: Lesson 059 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 107–8
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*Digital resources for homeschool users are available on Homeschool Hub.

Pages	Objectives	Resources	Assessments
Lesson 60 2-Digit Subtraction with Renaming			
<p>Teacher Edition 252–55</p> <p>Worktext 115–16</p>	<p>60.1 Subtract 2-digit numbers with renaming.</p> <p>60.2 Write a subtraction equation to solve a word problem.</p> <p>60.3 Read a table to find a difference.</p> <p>60.4 Complete missing-addend equations.</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> IA 23: <i>Tables</i> <p>Visuals</p> <ul style="list-style-type: none"> Fraction Kit: 1 whole, two pieces Fact Family Flashcards: 4-7-11, 5-6-11 Place Value Kit: tens, ones <p>Student Manipulatives</p> <ul style="list-style-type: none"> Fact Family Flashcards: 4-7-11, 5-6-11 Tens/Ones Mat <p>BJU Press Trove</p> <ul style="list-style-type: none"> Video: “2-Digit Subtraction” Link: Linking Cubes G/E: Fact Reviews (Addition Facts to 12, p. 15) PPT pres.: Lesson 060 	<p>Reviews</p> <ul style="list-style-type: none"> Pp. 109–10
Lesson 61 Subtracting Money			
<p>Teacher Edition 256–59</p> <p>Worktext 117–18</p>	<p>61.1 Rename 1 dime as 10 pennies.</p> <p>61.2 Separate a set of coins to subtract a 2-digit number.</p> <p>61.3 Write a subtraction equation to solve a word problem.</p> <p>61.4 Identify word problems that have too little information.</p> <p>61.5 Explain how subtracting money helps people care for a friend. BWS Caring (explain)</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> IA 24: <i>Subtraction Word Problems</i> <p>Visuals</p> <ul style="list-style-type: none"> Money Kit: 5 dimes, 4 nickels, 16 pennies Fact Family Flashcards: 2-9-11, 3-8-11 <p>Student Manipulatives</p> <ul style="list-style-type: none"> Fact Family Flashcards: 2-9-11, 3-8-11 Red Mat Money Kit: 9 dimes, 20 pennies <p>BJU Press Trove</p> <ul style="list-style-type: none"> Link: Money Pieces G/E: Fact Reviews (Subtraction Facts to 8, p. 25) PPT pres.: Lesson 061 	<p>Reviews</p> <ul style="list-style-type: none"> Pp. 111–12

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 6: Line Graph • Shapes Kit: 3 red circles, 3 yellow circles • Fact Family Flashcards: 1-9-10, 2-8-10 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit: 3 red circles, 3 yellow circles • Fact Family Flashcards: 1-9-10, 2-8-10 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Reviews (Subtraction Facts to 8, p. 26) • PPT pres.: Lesson 062 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 25: <i>Rainfall in India</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Rulers: centimeter • Fact Family Flashcards: 3-7-10, 4-6-10 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: centimeter • Fact Family Flashcards: 3-7-10, 4-6-10 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Subtraction Helps Me Care” • G/E: Fact Reviews (Subtraction Facts to 8, p. 27) • PPT pres.: Lesson 063 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 115–16
Lesson 64 Review			
Teacher Edition 268–71 Worktext 123–24	64.1 Recall concepts and terms from Chapter 7.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 26: <i>More Word Problems</i> • IA 27: <i>Café Basil Line Graph</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Linking Cubes • G/E: Fact Fun Activities • PPT pres.: Lesson 064 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 7 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 117–18

Pages	Objectives	Resources	Assessments
Lesson 65 Test, Cumulative Review			
<p>Teacher Edition 272–74</p> <p>Worktext 125, 369–70</p>	<p>65.1 Demonstrate knowledge of concepts from Chapter 7 by taking the test.</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 13: <i>Clock Number Line</i> <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Clock • G/E: Fact Fun Activities 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 119–20 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 7 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 7 test bank

Chapter 8: Place Value: 3-Digit Numbers

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
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Lesson 66 Representing 3-Digit Numbers

<p>Teacher Edition 280–83</p> <p>Worktext 126–28</p>	<p>66.1 Represent 3-digit numbers.</p> <p>66.2 Read 3-digit numbers.</p> <p>66.3 Identify the number of hundreds, tens, and ones in a 3-digit number.</p> <p>66.4 Count by 100s to 1,000.</p> <p>66.5 Explain how people use 3-digit numbers to explore God’s world. <u>BWS</u> Exploring (explain)</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 2: 1,000 • Fact Family Flashcards: 5-5-10, 1-8-9 • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 5-5-10, 1-8-9 • Mats: Tens/Ones, Hundreds • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 121–22
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Lesson 67 Writing Expanded & Word Forms

<p>Teacher Edition 284–87</p> <p>Worktext 129–30</p>	<p>67.1 Count by 100s to 1,000.</p> <p>67.2 Write 3-digit numbers in standard and expanded form.</p> <p>67.3 Identify the value of a digit in a 3-digit number.</p> <p>67.4 Write number words for 3-digit numbers.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 2: 1,000 • Fact Family Flashcards: 4-5-9, 3-6-9 • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 4-5-9, 3-6-9 • Place Value Mat • Place Value Kit: hundreds, tens, ones • Number Cards: 0–9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • G/E: Fact Reviews (Addition Facts to 18, p. 17) • PPT pres.: Lesson 067 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 123–24
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*Digital resources for homeschool users are available on Homeschool Hub.

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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 28: <i>Addition Word Problems</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones • Fact Family Flashcards: 2-7-9, 0-9-9 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 2-7-9, 0-9-9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • G/E: Fact Reviews (Addition Facts to 18, p. 18) • PPT pres.: Lesson 068 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Exploring (explain)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 29: <i>Least to Greatest</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 4-4-8, 2-6-8 • Rulers: meter tape • Puppets: Matt, Paddy <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 4-4-8, 2-6-8 • Rulers: meter tape • Puppets: Matt, Paddy • Number Cards: 0–9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Tracing Milk • G/E: Fact Reviews (Addition Facts to 18, p. 19) • PPT pres.: Lesson 069 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart (extended) • Fact Family Flashcards: 1-7-8, 0-8-8 • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 1-7-8, 0-8-8 • Number Cards: 0–9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • PPT pres.: Lesson 070 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 129–30

Pages	Objectives	Resources	Assessments
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 $=$.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 1-6-7, 2-5-7 • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 1-6-7, 2-5-7 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Calendars • Link: Number Tiles • PPT pres.: Lesson 071 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 30: <i>3-Digit Numbers</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Line • Shapes Kit: 2 circles, 1 triangle • Money Kit: 5 dimes, 5 nickels • Fact Family Flashcards: 3-5-8, 3-4-7 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 3-5-8, 3-4-7 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Comparing with Expanded Form” • Link: Number Line • Link: Money Pieces • PPT pres.: Lesson 072 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 31: <i>Our Pets Bar Graph</i> • IA 32: <i>Number Lines</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-7-7, 1-5-6 • Number Line • Counters: 2 construction workers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-7-7, 1-5-6 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Using Place Value” • PPT pres.: Lesson 073 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 135–36

Pages	Objectives	Resources	Assessments
Lesson 74 Review			
Teacher Edition 312–15 Worktext 143–44	74.1 Recall concepts and terms from Chapter 8.	BJU Press Trove <ul style="list-style-type: none"> • G/E: Fact Fun Activities • PPT pres.: Lesson 074 	Worktext <ul style="list-style-type: none"> • Chapter 8 Review Reviews <ul style="list-style-type: none"> • 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. <u>BWS</u> Exploring (evaluate)	Teacher Edition <ul style="list-style-type: none"> • IA 17: <i>STEM Engineering Design Process</i> • IA 33: <i>Treasure Chest Pattern</i> • IA 34a–b: <i>Ship Deck Guide</i> BJU Press Trove <ul style="list-style-type: none"> • Video: “Keep It Neat” • Link: <i>Mice of the Herring Bone Resources</i> • Link: Treasure Chests • Link: Robots Working • Link: <i>The Bot That Scott Built</i> • PPT pres.: Lessons 075–076 	Teacher Edition <ul style="list-style-type: none"> • IA 35: <i>Coding Rubric: Tidying the Queen’s Treasure</i>
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 <ul style="list-style-type: none"> • IAs 10a–b: <i>Days of the Week Cards</i> BJU Press Trove <ul style="list-style-type: none"> • Link: Calendars 	Worktext <ul style="list-style-type: none"> • Cumulative Review Reviews <ul style="list-style-type: none"> • Pp. 139–40 Assessments <ul style="list-style-type: none"> • Chapter 8 Test BJU Press Trove <ul style="list-style-type: none"> • Chapter 8 test bank

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			
<p>Teacher Edition 328–31</p> <p>Worktext 148–50</p>	<p>78–79.1 Identify the value of a penny, a nickel, a dime, and a quarter.</p> <p>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.</p> <p>78–79.3 Recall that people sometimes make selfish choices with money. BWS Caring (recall)</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 14: Money • Fact Family Flashcards: 3-3-6, 2-4-6 • Money Kit: quarters, dimes, nickels, pennies <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 3-3-6, 2-4-6 • Money Kit: quarters, dimes, nickels, pennies • Red Mat <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 141–42
Lesson 80 Counting Coins by <i>Counting On</i>			
<p>Teacher Edition 332–35</p> <p>Worktext 151–52</p>	<p>80.1 Determine the value of a set of 3 types of coins by counting on.</p> <p>80.2 Compare the value of 2 sets of coins by using > or <.</p> <p>80.3 Predict the probability of choosing a nickel or a penny.</p> <p>80.4 Tally the results of a probability activity.</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 36: <i>Hundred Chart</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Fact Family Flashcards: 0-6-6, 1-4-5 • Money Kit: quarters, dimes, nickels, pennies <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-6-6, 1-4-5 • Money Kit: quarters, dimes, nickels, pennies • Red Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Chart • Link: Money Pieces • G/E: Fact Reviews (Addition Facts to 18, p. 21) • PPT pres.: Lesson 080 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 143–44

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

Pages	Objectives	Resources	Assessments
Lesson 81 Counting Coins for a Purchase			
<p>Teacher Edition 336–39</p> <p>Worktext 153–54</p>	<p>81.1 Determine the value of a set of coins by <i>counting on</i>.</p> <p>81.2 Determine whether there is enough money to purchase an item.</p> <p>81.3 Identify the coins needed to purchase an item.</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 37: <i>COIN-O Board</i> • IA 38: <i>Price Tags</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit • Sign Cards: Greater-Than, Less-Than • Fact Family Flashcards: 0-5-5, 2-3-5 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-5-5, 2-3-5 • Money Kit • Red Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Counting Coins for a Purchase” • Link: Money Pieces • G/E: Fact Reviews (Addition Facts to 18, p. 22) • PPT pres.: Lesson 081 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 145–46
Lesson 82 Counting a Half-Dollar with Coins			
<p>Teacher Edition 340–43</p> <p>Worktext 155–56</p>	<p>82.1 Identify a half-dollar.</p> <p>82.2 Identify sets of coins equivalent to a half-dollar.</p> <p>82.3 Determine the value of a set of a half-dollar and other coins by <i>counting on</i>.</p> <p>82.4 Estimate to identify the items purchased from a given amount of money.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 14: Money • Fact Family Flashcards: 2-2-4, 1-3-4 • Money Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 2-2-4, 1-3-4 • Money Kit • Red Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Germany Facts • PPT pres.: Lesson 082 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 147–48

Pages	Objectives	Resources	Assessments
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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Vis. 15: 1-Dollar Bill • Fact Family Flashcards: 0-4-4, 1-2-3 <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-4-4, 1-2-3 • Money Kit: one 1-dollar bill <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: <i>Water Music</i> • PPT pres.: Lesson 083 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Caring (evaluate)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-3-3, 1-1-2 • Money Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-3-3, 1-1-2 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Counting 1-Dollar Bills & Coins” • PPT pres.: Lesson 084 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 36: <i>Hundred Chart</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Fact Family Flashcards: 0-2-2, 0-1-1 • Money Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcards: 0-2-2, 0-1-1 • Red Mat • Money Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Money Pieces • PPT pres.: Lesson 085 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 153–54

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 <i>counting on</i> . 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 37: <i>COIN-O Board</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fact Family Flashcard: 0-0-0 • Money Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fact Family Flashcard: 0-0-0 • Money Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Making Money Choices” • PPT pres.: Lesson 086 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 155–56
Lesson 87 Review			
Teacher Edition 360–63 Worktext 165–66	87.1 Recall concepts and terms from Chapter 9.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 37: <i>COIN-O Board</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Money Kit • Red Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities • PPT pres.: Lesson 087 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 9 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 159–60 <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 9 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 9 test bank

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. <u>BWS</u> Exploring (explain)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Mat • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 9: Problem-Solving Plan • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Counters: 12 beavers • Place Value Mat • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 163–64

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

Pages	Objectives	Resources	Assessments
Lesson 91 Renaming Tens			
<p>Teacher Edition 380–83</p> <p>Worktext 173–74</p>	<p>91.1 Rename 10 tens as 1 hundred.</p> <p>91.2 Add 3-digit numbers with renaming 10 tens as 1 hundred.</p> <p>91.3 Solve a multistep word problem.</p>	<p>Visuals</p> <ul style="list-style-type: none"> Place Value Kit: hundreds, tens, ones <p>Student Manipulatives</p> <ul style="list-style-type: none"> Place Value Mat Place Value Kit: hundreds, tens, ones <p>BJU Press Trove</p> <ul style="list-style-type: none"> 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 	<p>Reviews</p> <ul style="list-style-type: none"> Pp. 165–66
Lesson 92 Renaming Ones or Tens			
<p>Teacher Edition 384–87</p> <p>Worktext 175–76</p>	<p>92.1 Add 3-digit numbers with renaming 10 ones as 1 ten or 10 tens as 1 hundred.</p> <p>92.2 Solve a word problem.</p> <p>92.3 Solve a multistep word problem.</p>	<p>Visuals</p> <ul style="list-style-type: none"> Place Value Kit: hundreds, tens, ones <p>Student Manipulatives</p> <ul style="list-style-type: none"> Number Cards: 0–9 <p>BJU Press Trove</p> <ul style="list-style-type: none"> Link: Number Tiles Link: Greek Food G/E: Fact Reviews (Subtraction Facts to 10, p. 31) PPT pres.: Lesson 092 	<p>Reviews</p> <ul style="list-style-type: none"> Pp. 167–68
Lesson 93 Renaming Ones & Tens			
<p>Teacher Edition 388–91</p> <p>Worktext 177–78</p>	<p>93.1 Add 3-digit numbers with renaming.</p> <p>93.2 Solve a word problem.</p> <p>93.3 Write a word problem for an addition equation.</p> <p>93.4 Evaluate the idea that people do not need God’s help to solve math problems. BWS Exploring (evaluate)</p>	<p>Visuals</p> <ul style="list-style-type: none"> Place Value Kit: hundreds, tens, ones <p>BJU Press Trove</p> <ul style="list-style-type: none"> Video: “Renaming Tens & Ones” G/E: Fact Reviews (Subtraction Facts to 10, p. 32) G/E: Fact Fun Activities PPT pres.: Lesson 093 	<p>Reviews</p> <ul style="list-style-type: none"> Pp. 169–70

Pages	Objectives	Resources	Assessments
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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Who Deserves the Credit?” • G/E: Fact Reviews (Subtraction Facts to 10, p. 33) • PPT pres.: Lesson 094 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 171–72
Lesson 95 Review			
Teacher Edition 396–99 Worktext 181–82	95.1 Recall concepts and terms from Chapter 10.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities • PPT pres.: Lesson 095 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 10 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Shapes Kit: 6 yellow triangles, 6 blue triangles, 6 yellow circles, 6 red circles, 6 green squares, 6 blue rectangles, 6 orange hexagons <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit: 6 yellow triangles, 6 blue triangles, 6 yellow circles, 6 red circles, 6 green squares, 6 blue rectangles, 6 orange hexagons <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Polygons & Shapes 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 175–76 <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 10 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 10 test bank

Chapter 11: Introduction to Multiplication

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Working (explain)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 36: <i>Hundred Chart</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Counters: 8 construction workers • Shapes Kit: 20 circles <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Elephant • G/E: Fact Reviews (Subtraction Facts to 12, p. 35) • PPT pres.: Lesson 098 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> • IA 40: <i>Savanna Pictograph</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: The African Savanna • Link: Linking Cubes • G/E: Fact Reviews (Subtraction Facts to 12, p. 36) • PPT pres.: Lesson 099 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 181–82

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

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. <u>BWS</u> Working (evaluate)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 41: <i>Array Grid</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit: 30 pennies <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock • Money Kit: 30 pennies <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 42: <i>Multiplication</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 3: 12-Month Calendar <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Calendars • Link: Array • G/E: Fact Reviews (Subtraction Facts to 12, p. 38) • PPT pres.: Lesson 101 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Money Kit • Red Mat <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 187–88

Pages	Objectives	Resources	Assessments
Lesson 103 Review			
Teacher Edition 432–35 Worktext 197–98	103.1 Recall concepts and terms from Chapter 11.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> • IA 41: <i>Array Grid</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Linking Cubes • G/E: Fact Reviews (Subtraction Facts to 12, p. 40) • G/E: Fact Fun Activities • PPT pres.: Lesson 103 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 11 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 191–92 <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 11 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 11 test bank

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			
<p>Teacher Edition 444–47</p> <p>Worktext 200–202</p>	<p>105.1 Subtract 3-digit numbers by separating a set.</p> <p>105.2 Subtract 3-digit numbers without renaming.</p> <p>105.3 Count by 100s to 1,000.</p> <p>105.4 Estimate the difference of a subtraction problem by rounding to the nearest hundred.</p> <p>105.5 Explain how subtraction with 3-digit numbers helps people fulfill the Creation Mandate. BWS Exploring (explain)</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 32: <i>Number Lines</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Mat • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 193–94
Lesson 106 Renaming Tens as Ones			
<p>Teacher Edition 448–51</p> <p>Worktext 203–4</p>	<p>106.1 Rename 1 ten as 10 ones.</p> <p>106.2 Subtract 3-digit numbers with renaming 1 ten as 10 ones.</p> <p>106.3 Solve a subtraction word problem involving 3-digit numbers.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Vis. 9: Problem-Solving Plan • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Mat • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • G/E: Fact Reviews (Subtraction Facts to 18, p. 42) • PPT pres.: Lesson 106 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 195–96

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

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Shapes Kit: 1 circle, 1 square, 1 triangle, 1 rectangle • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Mat • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 43: <i>More Extra Information Problems</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • PPT pres.: Lesson 108 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 10: Customary Measurement: Capacity & Weight <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Baobab Tree • Link: The Big Tree Victoria Falls • G/E: Fact Fun Activities • PPT pres.: Lesson 109 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 201–2

Pages	Objectives	Resources	Assessments
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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Shapes Kit: 1 circle, 1 triangle • Money Kit: three 1-dollar bills, 14 dimes, 5 pennies <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: yard tape <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Multistep Money Word Problems” • Link: Victoria Falls National Park • Link: Money Pieces • G/E: Fact Fun Activities • PPT pres.: Lesson 110 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 44: <i>Money Problems</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Right Choices with Math” • PPT pres.: Lesson 111 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 205–6
Lesson 112 Review			
Teacher Edition 472–75 Worktext 215–16	112.1 Recall concepts and terms from Chapter 12.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 45: <i>Subtraction Problems</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • G/E: Fact Fun Activities • PPT pres.: Lesson 112 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 12 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 207–8

Pages	Objectives	Resources	Assessments
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. <u>BWS</u> Caring (apply)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 46a–b: <i>Origami Dog</i> • IA 17: <i>STEM Engineering Design Process</i> • IA 47: <i>Origami Algorithm</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Artistic Algorithms” • Link: <i>Mice of the Herring Bone</i> DVD Trailer • PPT pres.: Lessons 113–14 	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 48: <i>Coding Rubric: Origami Crew</i>
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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 27: Thermometers • Red Strip <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Thermometers: Fahrenheit • Red Strip 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 209–10 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 12 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 12 test bank

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. <u>BWS</u> Caring (explain)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 49: <i>Sets</i> • IA 50: <i>Pets Pictograph</i> <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Counters: 6 beavers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 1–9 <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: “Frère Jacques” • Link: Linking Cubes • Link: Math Fact Practice • G/E: Fact Reviews (Subtraction Facts to 18, p. 45) • PPT pres.: Lesson 117 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 213–14

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

Pages	Objectives	Resources	Assessments
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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Shapes Kit: 20 rectangles • Number Line <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Line <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Line • G/E: Fact Reviews (Subtraction Facts to 18, p. 46) • PPT pres.: Lesson 118 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: 10 tens • Counters: 20 beavers, 20 construction workers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Kit: 10 tens <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • G/E: Fact Reviews (Subtraction Facts to 18, p. 47) • PPT pres.: Lesson 119 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Caring (evaluate)	<p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities • PPT pres.: Lesson 120 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 219–20

Pages	Objectives	Resources	Assessments
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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> • IA 51: <i>Array Worksheet</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Number Line <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Line <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Multiplying with 3” • Link: Number Chart • Link: Linking Cubes • Link: Number Line • Link: Array Multiplication • Link: Array • PPT pres.: Lesson 121 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 36: <i>Hundred Chart</i> • IA 39: <i>Multiplication/Division Mat</i> • IA 51: <i>Array Worksheet</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Number Line <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Multiplying with 4” • Link: Linking Cubes • Link: Number Line • Link: Array • PPT pres.: Lesson 122 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 223–24

Pages	Objectives	Resources	Assessments
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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 51: <i>Array Worksheet</i> • IA 52: <i>Multiplication Equations</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Line <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Multiplication Helps Me Care” • Link: Number Line • Link: Array • PPT pres.: Lesson 123 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 225–26
Lesson 124 Review			
Teacher Edition 520–23 Worktext 239–40	124.1 Recall concepts and terms from Chapter 13.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 51: <i>Array Worksheet</i> • IA 53: <i>Multiplication Review</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Line <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Line • Link: Array • G/E: Fact Fun Activities • PPT pres.: Lesson 124 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 13 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Counters: 12 construction workers 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 229–30 <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 13 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 13 test bank

Chapter 14: Fractions

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
Lesson 126 Identifying Equal Parts			
Teacher Edition 532–35 Worktext 242–44	126.1 Read a fraction. 126.2 Identify $\frac{2}{2}$, $\frac{3}{3}$, $\frac{4}{4}$, $\frac{6}{6}$, and $\frac{8}{8}$ 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 54: <i>Equal or Not Equal</i> • IA 55: <i>Fraction Workmat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 16: Halves, Thirds, Fourths • Vis. 17: Sixths, Eighths • Fraction Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fraction Kit <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • Video: “Tulips in the Netherlands” • Link: Fraction Manipulatives • Link: Math Fact Practice • PPT pres.: Lesson 126 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Working (explain)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 56: <i>Fractional Parts</i> • IA 57a–b: <i>Partitioning a Shape</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 16: Halves, Thirds, Fourths • Vis. 17: Sixths, Eighths <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Fraction Manipulatives • PPT pres.: Lesson 127 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 233–34

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

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 $<$.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 55: <i>Fraction Workmat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Fraction Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 • Fraction Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Fraction Manipulatives • G/E: Fact Reviews (Multiplication Facts with 0, p. 48) • PPT pres.: Lesson 128 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 55: <i>Fraction Workmat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 18: Fraction Bars • Fraction Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Fraction Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Comparing Unlike Fractions” • Link: Fraction Manipulatives • G/E: Fact Reviews (Multiplication Facts with 1, p. 49) • PPT pres.: Lesson 129 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 237–38

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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 13: <i>Clock Number Line</i> • IA 58: <i>Part of a Set</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 18: Fraction Bars • Counters: 8 construction workers, 3 beavers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Fraction Manipulatives • Link: Clock • Link: Counters • PPT pres.: Lesson 130 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Working (evaluate)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Shapes Kit: 3 red circles, 3 yellow circles • Money Kit: 12 dimes • Fraction Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit: 3 red circles, 3 yellow circles <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Finding Fair Shares” • Link: Counters • Link: Money Pieces • Link: Fraction Manipulatives • PPT pres.: Lesson 131 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 59: <i>Circles</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 7: Circle Graph <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Traditional Dutch Gouda Cheesemaking • Link: Circle Graph • PPT pres.: Lesson 132 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 243–44

Pages	Objectives	Resources	Assessments
Lesson 133 Halves & Fourths			
Teacher Edition 560–63 Worktext 257–58	133.1 Relate $\frac{1}{4}$ hour to 15 minutes, $\frac{1}{2}$ hour to 30 minutes, $\frac{3}{4}$ hour to 45 minutes, and 1 hour to 60 minutes. 133.2 Relate $\frac{1}{2}$ foot to 6 inches and 1 foot to 12 inches.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 60: <i>Clock Circle</i> • IA 15: <i>Quarter Hour</i> • IA 61: <i>Foot Ruler</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds, tens, ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 • Rulers: inch <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Bear One Another’s Burdens” • Link: Clock • Link: Ruler • Link: Number Tiles • PPT pres.: Lesson 133 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 245–46
Lesson 134 Review			
Teacher Edition 564–67 Worktext 259–60	134.1 Recall concepts and terms from Chapter 14.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 54: <i>Equal or Not Equal</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 18: Fraction Bars • Vis. 26: Clock • Fraction Kit • Shapes Kit: 5 yellow circles, 5 red circles • Counters: 12 construction workers • Rulers: inch <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit: 5 yellow circles, 5 red circles <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Fraction Manipulatives • Link: Counters • Link: Clock • Link: Ruler • G/E: Fact Fun Activities • PPT pres.: Lesson 134 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 14 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 247–48

Pages	Objectives	Resources	Assessments
Lesson 135 Test, Cumulative Review			
<p>Teacher Edition 568–70</p> <p>Worktext 261; 375–76</p>	<p>135.1 Demonstrate knowledge of concepts from Chapter 14 by taking the test.</p>	<p>Student Manipulatives</p> <ul style="list-style-type: none"> • Matt Clock • Rulers: inch <p>BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities • Link: Calendars 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 249–50 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 14 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 14 test bank

Chapter 15: Geometry

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
Lesson 136 Plane Figures			
<p>Teacher Edition 576–79</p> <p>Worktext 262–64</p>	<p>136.1 Identify plane figures: triangle, rectangle, square, circle, pentagon, hexagon, and oval.</p> <p>136.2 Identify sides and vertices of plane figures.</p> <p>136.3 Construct a triangle, a rectangle, and a square by using a geoboard.</p> <p>136.4 Identify a slide and a flip.</p> <p>136.5 Explain why Christians should do their best to learn about plane figures. <u>BWS</u> Working (explain)</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 19: Plane Figures • Shapes Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • Video: “Snowstorm!” • Link: Pattern Shapes • Link: Geoboard • Link: Dot Grid Paper • PPT pres.: Lesson 136 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 251–52
Lesson 137 Patterns			
<p>Teacher Edition 580–83</p> <p>Worktext 265–66</p>	<p>137.1 Extend letter, number, and shape patterns.</p> <p>137.2 Identify a slide, a flip, and a turn.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Number Cards: 0–19 • Shapes Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Pattern Shapes • PPT pres.: Lesson 137 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 253–54
Lesson 138 Making Shapes			
<p>Teacher Edition 584–87</p> <p>Worktext 267–68</p>	<p>138.1 Compose figures by using pattern blocks.</p> <p>138.2 Separate figures by using a geoboard.</p> <p>138.3 Relate shapes by using a Venn diagram.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Number Cards: decades 10–100 • Shapes Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Geoboard • PPT pres.: Lesson 138 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 255–56

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

Pages	Objectives	Resources	Assessments
Lesson 139 Same Size & Shape; Symmetry			
<p>Teacher Edition 588–91</p> <p>Worktext 269–70</p>	<p>139.1 Identify similar and congruent figures.</p> <p>139.2 Draw congruent figures.</p> <p>139.3 Identify symmetrical figures.</p> <p>139.4 Draw a line of symmetry.</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 63: <i>Congruent Shapes</i> • IA 64: <i>Symmetrical Shapes</i> • IA 65: <i>Asymmetrical Shapes</i> • IA 66: <i>Shapes</i> <p>Visuals</p> <ul style="list-style-type: none"> • Vis. 20: Similar, Congruent & Symmetrical • Place Value Kit: hundreds, tens, ones • Shapes Kit: 1 triangle, 2 rectangles <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 • Shapes Kit: 1 triangle <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • Link: Bagpipe Music • Link: Pattern Shapes • G/E: Fact Reviews (Multiplication Facts with 2, p. 50) • PPT pres.: Lesson 139 	<p>Reviews</p> <ul style="list-style-type: none"> • Pp. 257–58
Lesson 140 Solid Figures			
<p>Teacher Edition 592–95</p> <p>Worktext 271–72</p>	<p>140.1 Distinguish between a plane figure and a solid figure.</p> <p>140.2 Identify solid figures: cube, rectangular prism, pyramid, sphere, cylinder, and cone.</p> <p>140.3 Identify the number of faces, edges, vertices, and curves of a solid figure.</p> <p>140.4 Formulate a biblical reason that a Christian should learn geometry.</p> <p>BWS Working (formulate)</p>	<p>Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Vis. 21: Faces, Edges, Vertices & Curves • Vis. 22: Solid Figures • Shapes Kit: 1 square <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Vocabulary Cards • Link: Pattern Shapes • PPT pres.: Lesson 140 	<p>Reviews</p> <ul style="list-style-type: none"> • Pp. 259–60

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 22: Solid Figures • Vis. 23: Perimeter • Fraction Kit • Rulers: inch <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: inch <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Perimeter” • PPT pres.: Lesson 141 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 24: Horizontal & Vertical • Vis. 25: Parallel & Intersecting Lines <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Math Fact Practice • PPT pres.: Lesson 142 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 5: Bar Graph • Vis. 24: Horizontal & Vertical • Vis. 25: Parallel & Intersecting Lines • Vis. 22: Solid Figures <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: inch <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Working to Serve” • PPT pres.: Lesson 143 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 265–66

Pages	Objectives	Resources	Assessments
Lesson 144 Review			
<p>Teacher Edition 608–11</p> <p>Worktext 279–80</p>	<p>144.1 Recall concepts and terms from Chapter 15.</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 67: <i>Quilt Squares</i> <p>Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Shapes Kit <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit • Rulers: inch • Shapes Kit: 1 triangle, 1 circle, 3 rectangles <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Vocabulary Cards • G/E: Fact Fun Activities • PPT pres.: Lesson 144 	<p>Worktext</p> <ul style="list-style-type: none"> • Chapter 15 Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 267–68
Lesson 145 Test, Cumulative Review			
<p>Teacher Edition 612–14</p> <p>Worktext 281, 377–78</p>	<p>145.1 Demonstrate knowledge of concepts from Chapter 15 by taking the test.</p>	<p>Visuals</p> <ul style="list-style-type: none"> • Vis. 27: Thermometers • Red Strip <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Thermometers: Fahrenheit • Red Strip • Rulers: inch <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Thermometer 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 269–70 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 15 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 15 test bank

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. <u>BWS</u> Exploring (explain)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 13: Temperature • Vis. 27: Thermometers • Red Strip <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Thermometers: Celsius • Red Strip <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • Video: “Measuring in Australia” • Link: Thermometer • Link: Math Fact Practice • PPT pres.: Lesson 146 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 12: Metric Measurement <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Using Grams, Kilograms & Liters” • Link: Balance Scale • G/E: Fact Reviews (Multiplication Facts with 5, p. 51) • PPT pres.: Lesson 147 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 273–74

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

Pages	Objectives	Resources	Assessments
Lesson 148 Measuring in Centimeters & Meters			
<p>Teacher Edition 628–31</p> <p>Worktext 287–88</p>	<p>148.1 Identify metric measuring units for length, height, and distance.</p> <p>148.2 Measure the length or height of an object to the nearest centimeter or meter.</p> <p>148.3 Choose the better unit of measurement for measuring an object.</p> <p>148.4 Measure the distance between 2 objects to the nearest centimeter or meter.</p> <p>148.5 Determine the correct measuring tool.</p> <p>148.6 Explain how measuring length points to a Creator. BWS Exploring (explain)</p>	<p>Visuals</p> <ul style="list-style-type: none"> • Vis. 12: Metric Measurement • Rulers: centimeter, inch, meter tape <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: centimeter, meter tape <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Common Brushtail Possum • Link: Ruler • PPT pres.: Lesson 148 	<p>Reviews</p> <ul style="list-style-type: none"> • Pp. 275–76
Lesson 149 Estimating & Measuring in Centimeters & Meters			
<p>Teacher Edition 632–35</p> <p>Worktext 289–90</p>	<p>149.1 Identify a centimeter and a meter.</p> <p>149.2 Estimate the length of an object to the nearest centimeter or meter.</p> <p>149.3 Measure the length of an object to the nearest centimeter or meter.</p> <p>149.4 Choose the closer estimate for the measurement of an object.</p> <p>149.5 Draw a line of a given length in centimeters.</p> <p>149.6 Measure to determine how much longer one object is than another.</p> <p>149.7 Choose the correct measuring tool.</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 9: <i>Pyramid Pattern</i> <p>Visuals</p> <ul style="list-style-type: none"> • Rulers: centimeter, meter tape <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit • Construction Site Workmat • Rulers: centimeter, meter tape <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Polygons & Shapes • Link: Platypus • Link: Platypus Video • Link: Ruler • PPT pres.: Lesson 149 	<p>Reviews</p> <ul style="list-style-type: none"> • Pp. 277–78

Pages	Objectives	Resources	Assessments
Lesson 150 Perimeter			
<p>Teacher Edition 636–39</p> <p>Worktext 291–92</p>	<p>150.1 Find the perimeter of a figure by using centimeters or meters.</p> <p>150.2 Measure in centimeters to find the lengths of the sides of a figure.</p> <p>150.3 Write an addition equation to determine the perimeter of a figure.</p> <p>150.4 Solve perimeter word problems.</p> <p>150.5 Formulate a biblical understanding of how measuring points to God’s wisdom and power. <u>BWS</u> Exploring (formulate)</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 23: Perimeter • Rulers: meter tape <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: meter tape • Shapes Kit: 1 square • Rulers: centimeter <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Bandicoots • Link: Polygons & Shapes • G/E: Fact Reviews (Multiplication Facts with 10, p. 52) • PPT pres.: Lesson 150 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 279–80
Lesson 151 Coordinate Graph			
<p>Teacher Edition 640–43</p> <p>Worktext 293–94</p>	<p>151.1 Locate x and y coordinates on a coordinate graph.</p> <p>151.2 Write ordered pairs to identify points on a coordinate graph.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 8: Coordinate Graph • Fraction Kit • Rulers: inch <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “My God is So Big!” • Link: Fraction Manipulatives • Link: Clock • Link: Ruler • Link: Coordinate Graph • Link: Coordinate Graph Printables • PPT pres.: Lesson 151 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 281–82
Lesson 152 Review			
<p>Teacher Edition 644–47</p> <p>Worktext 295–96</p>	<p>152.1 Recall concepts and terms from Chapter 16.</p>	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 12: Metric Measurement <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Thermometers: Celsius • Red Strip • Rulers: centimeter, meter tape • Shapes Kit: 1 triangle <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Thermometer • Link: Ruler • Link: Polygons & Shapes • G/E: Fact Fun Activities • PPT pres.: Lesson 152 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 16 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Working (apply)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 17: <i>STEM Engineering Design Process</i> • IA 69a–b: <i>Icy Conditions</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Coding Choices” • Link: <i>Mice of the Seven Seas</i> Resources • Link: Red Light, Green Light Game • Link: Coding Resources • PPT pres.: Lessons 153–54 	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 70: <i>Coding Rubric: A Royal Quest</i>
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.	<p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Rulers: centimeter <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Clock • G/E: Fact Fun Activities 	<p>Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p>Reviews</p> <ul style="list-style-type: none"> • Pp. 285–86 <p>Assessments</p> <ul style="list-style-type: none"> • Chapter 16 Test <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 16 test bank

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 2: 1,000 • Place Value Kit: thousands, hundreds, tens, ones <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • Video: “Action in the Amazon” • Link: Number Tiles • Link: Math Fact Practice • PPT pres.: Lesson 156 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Caring (explain)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 71: <i>Number Forms</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Number Cards: 0–9 and comma <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Place Value” • Link: Number Tiles • PPT pres.: Lesson 157 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 4: Pictograph • Place Value Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Number Tiles • PPT pres.: Lesson 158 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 291–92

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

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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 37: <i>COIN-O Board</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit • Place Value Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Money Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Money Pieces • Link: Piranha • Link: Number Tiles • G/E: Fact Reviews (Multiplication Facts with 3, p. 53) • PPT pres.: Lesson 159 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Thermometers: Celsius • Red Strip • Place Value Kit: hundreds <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Renaming Hundreds” • Link: Thermometer • Link: Number Tiles • PPT pres.: Lesson 160 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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. <u>BWS</u> Caring (formulate)	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Vis. 18: Fraction Bars • Place Value Kit <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Fraction Manipulatives • Link: Toucan • PPT pres.: Lesson 161 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 297–98

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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 1: Hundred Chart • Place Value Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Why Should I Care?” • Video: “Subtracting 4-Digit Numbers” • PPT pres.: Lesson 162 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 299–300
Lesson 163 Review			
Teacher Edition 688–91 Worktext 315–16	163.1 Recall concepts and terms from Chapter 17.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Place Value Kit <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Place Value Kit: hundreds <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities • PPT pres.: Lesson 163 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 17 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IAs 11a–b: <i>Months of the Year Cards</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 3: 12-Month Calendar <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • G/E: Fact Fun Activities 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 303–4 <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 17 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 17 test bank

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. <u>BWS</u> Working (explain)	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Counters: 20 beavers • Place Value Kit: 12 ones <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Counters: 20 beavers <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 307–8

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

Pages	Objectives	Resources	Assessments
Lesson 167 Exploring Division			
<p>Teacher Edition 708–11</p> <p>Worktext 323–24</p>	<p>167.1 Associate the numerals in a multiplication or division equation with what each represents.</p> <p>167.2 Relate a division equation to a multiplication equation by using manipulatives or pictures.</p> <p>167.3 Identify the division sign.</p> <p>167.4 Write related multiplication and division equations.</p> <p>167.5 Complete a missing-factor equation.</p> <p>167.6 Defend the idea that perseverance in a division problem is pleasing to God. BWS Working (formulate)</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p>Visuals</p> <ul style="list-style-type: none"> • Number Line • Counters: 2 construction workers • Shapes Kit: 1 triangle <p>BJU Press Trove</p> <ul style="list-style-type: none"> • 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 	<p>Reviews</p> <ul style="list-style-type: none"> • Pp. 309–10
Lesson 168 Relating Multiplication & Division			
<p>Teacher Edition 712–15</p> <p>Worktext 325–26</p>	<p>168.1 Associate the numerals in a multiplication or division equation with what each represents.</p> <p>168.2 Relate a division equation to a multiplication equation by using manipulatives or pictures.</p> <p>168.3 Write related multiplication and division equations.</p> <p>168.4 Complete a missing-factor equation.</p>	<p>Teacher Edition</p> <ul style="list-style-type: none"> • IA 72: <i>Spinner</i> • IA 39: <i>Multiplication/Division Mat</i> <p>Visuals</p> <ul style="list-style-type: none"> • Counters: 20 construction workers <p>Student Manipulatives</p> <ul style="list-style-type: none"> • Counters: 20 construction workers <p>BJU Press Trove</p> <ul style="list-style-type: none"> • Video: “Divide to Conquer” • Link: Spinner • Link: Counters • G/E: Fact Reviews (Multiplication Facts with 2 & 5, p. 57) • PPT pres.: Lesson 168 	<p>Reviews</p> <ul style="list-style-type: none"> • Pp. 311–12

Pages	Objectives	Resources	Assessments
Lesson 169 Review			
Teacher Edition 716–19 Worktext 327–28	169.1 Recall concepts and terms from Chapter 18.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Counters: 20 beavers <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Counters: 20 beavers <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Counters • G/E: Fact Fun Activities • PPT pres.: Lesson 169 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Chapter 18 Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • 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.	<p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Vis. 12: Metric Measurement 	<p style="text-align: center;">Worktext</p> <ul style="list-style-type: none"> • Cumulative Review <p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 315–16 <p style="text-align: center;">Assessments</p> <ul style="list-style-type: none"> • Chapter 18 Test <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Chapter 18 test bank

Chapter 19: Division Facts

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
Lesson 171 Dividing by 2 or 3			
<p>Teacher Edition 726–29</p> <p>Worktext 330–32</p>	<p>171.1 Make equal sets of 2 or 3 within a total set of objects.</p> <p>171.2 Write a division equation.</p> <p>171.3 Complete a division fact with 2 or 3 as the divisor.</p> <p>171.4 Explain how division helps people care for others. <u>BWS</u> Caring (explain)</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Shapes Kit: 25 shapes <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Shapes Kit: 25 shapes <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 317–18
Lesson 172 Dividing by 4 or 5			
<p>Teacher Edition 730–33</p> <p>Worktext 333–34</p>	<p>172.1 Make equal sets of 4 or 5 within a total set of objects.</p> <p>172.2 Write a division equation.</p> <p>172.3 Complete a division fact with 4 or 5 as the divisor.</p> <p>172.4 Solve a division equation for a word problem.</p>	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 39: <i>Multiplication/Division Mat</i> <p style="text-align: center;">Visuals</p> <ul style="list-style-type: none"> • Money Kit: 30 pennies <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Money Kit: 30 pennies <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Money Pieces • G/E: Fact Reviews (Multiplication Facts with 0–2, 5 & 10, p. 59) • PPT pres.: Lesson 172 	<p style="text-align: center;">Reviews</p> <ul style="list-style-type: none"> • Pp. 319–20

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

Pages	Objectives	Resources	Assessments
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. <u>BWS</u> Caring (apply)	Teacher Edition <ul style="list-style-type: none"> IA 39: <i>Multiplication/Division Mat</i> Visuals <ul style="list-style-type: none"> Shapes Kit: 9 circles Student Manipulatives <ul style="list-style-type: none"> Shapes Kit: 15 circles BJU Press Trove <ul style="list-style-type: none"> Link: Counters G/E: Fact Reviews (Multiplication Facts with 0–2, 5 & 10, p. 60) PPT pres.: Lesson 173 	Reviews <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> IA 73: <i>Candy Machine Mat</i> BJU Press Trove <ul style="list-style-type: none"> Video: “Applying Division” Video: “Problem Solving with Division” Link: Counters PPT pres.: Lesson 174 	Reviews <ul style="list-style-type: none"> Pp. 323–24
Lesson 175 Review			
Teacher Edition 742–45 Worktext 339–40	175.1 Recall concepts and terms from Chapter 19.	Teacher Edition <ul style="list-style-type: none"> IA 73: <i>Candy Machine Mat</i> BJU Press Trove <ul style="list-style-type: none"> Link: Money Pieces G/E: Fact Fun Activities PPT pres.: Lesson 175 	Worktext <ul style="list-style-type: none"> Chapter 19 Review Reviews <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Cumulative Review Reviews <ul style="list-style-type: none"> Pp. 327–28 Assessments <ul style="list-style-type: none"> Chapter 19 Test BJU Press Trove <ul style="list-style-type: none"> Chapter 19 test bank

Chapter 20: Coding

IA Instructional Aid G/E game/enrichment Vis. Visual PPT pres. PowerPoint presentation

Pages	Objectives	Resources	Assessments
Lesson 177 Programming a Pal			
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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 4: <i>Square Grid</i> <p style="text-align: center;">BJU Press Trove*</p> <ul style="list-style-type: none"> • PPT pres.: Lesson 177 	
Lesson 178 Cracking a Binary Code			
Teacher Edition 755–57 Worktext 347–50	178.1 Associate the term <i>binary code</i> 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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 74: <i>Binary Code Cards</i> <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: How Coding Works • Link: Linking Cubes • Link: ASCII Binary Character Table • PPT pres.: Lesson 178 	
Lesson 179 Artful Algorithms			
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.	<p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • PPT pres.: Lesson 179 	

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

Pages	Objectives	Resources	Assessments
Lesson 180 Putting It All Together			
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.	<p style="text-align: center;">Teacher Edition</p> <ul style="list-style-type: none"> • IA 75: <i>Algorithm</i> <p style="text-align: center;">Student Manipulatives</p> <ul style="list-style-type: none"> • Jigsaw Puzzle <p style="text-align: center;">BJU Press Trove</p> <ul style="list-style-type: none"> • Link: Computational Thinking • Link: Jigsaw Puzzle Store • Link: Digital Jigsaw Puzzle • PPT pres.: Lesson 180 	