

Contents

Chapter 1	Addition and Subtraction
Lesson 1-1	Addition Facts and Subtraction Facts
Lesson 1-2	Column Addition It's Algebra!
Lesson 1-3	Basic Properties, Addition It's Algebra!
Lesson 1-4	Basic Properties It's Algebra!
Lesson 1-5	Finding Missing Addends It's Algebra!
Lesson 1-6	Problem Solving: Use a Four-Step Plan
	Chapter 1 Test
	Cumulative Assessment
Chapter 2	Place Value
Lesson 2-1	Whole Numbers
Lesson 2-2	Ones, Tens, and Hundreds
Lesson 2-3	Money
Lesson 2-4	Counting Money
Lesson 2-5	Making Change
Lesson 2-6	Thousands, Ten Thousands, and Hundred Thousands T25
Lesson 2-7	Millions
Lesson 2-8	Comparing Numbers It's Algebra!
Lesson 2-9	Rounding Numbers
Lesson 2-10	
	Chapter 2 Test T35 e Cumulative Assessment T36
	Cumulative Assessment
Chapter 3	Addition of Whole Numbers
Lesson 3-1	Adding 2-Digit Numbers
Lesson 3-2	Adding 3-Digit Numbers
Lesson 3-3	Adding 4-Digit Numbers
Lesson 3-4	Estimating Sums by Rounding
Lesson 3-5	Front-End Estimation
Lesson 3-6	Adding 5-Digit Numbers
Lesson 3-7	Column Addition
Lesson 3-8	Chapter 3 Test
	Cumulative Assessment
	Cumulative Assessment
hapter 4	Subtraction of Whole Numbers
Lesson 4-1	Subtracting 2-Digit Numbers
Lesson 4-2	Subtracting 3-Digit Numbers
Lesson 4-3	Subtracting, Minuends With Zeros
Lesson 4-4	Subtracting Multidigit Numbers
Lesson 4-5	Subtracting, More Minuends With Zeros

onten

Lesson 4-6 Lesson 4-7 Lesson 4-8	Estinating Differences 165 Problem Solving: Too Much or Too Little Information 1767 Calculator Codes 16's Algebra! 179 Chapter 4 Tee 171 Cumulative Assessment 172
Chapter 5	Multiplication Facts and Concepts
	Understanding Multiplication 773 Multiplying, the Factors 2 and 3 775 Multiplying, the Factors 4 and 5 775 Multiplying, the Factors 4 and 5 775 Multiplying, the Factors 4 and 5 775 Multiplying, the Factors 4 and 7 779 Understanding the Rule of Order 16's Algebra! 779 Understanding the Rule of Order 16's Algebra! 779 Multiplying, the Factors 6 and 7 7 783 Multiplying, the Factors 6 and 6 7 7 783 Multiplying, the Factors 6 and 6 7 7 783 Multiplying, the Factors 6 and 6 7 7 783 Multiplying, the Factors 6 and 6 7 7 783 Multiplying, the Factors 6 and 6 7 7 783 Multiplying, the Factors 6 and 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
-	© Cumulative Assessment
Chapter 6	Multiplication of Whole Numbers
	Multiplead Total Multiplead Total Multiplead Total Total Multiplead Total Total
Chapter 7	Dividing by a 1-Digit Number
Lesson 7-1 Lesson 7-2 Lesson 7-3 Lesson 7-5 Lesson 7-6 Lesson 7-7 Lesson 7-8 Lesson 7-9 Lesson 7-10 Lesson 7-11	Dividing by 2 or 3
	Chapter 7 Test

xviii

	Management
Chapter 8	Measurement
Lesson 8-1	Time
Lesson 8-2	Time A.M. and P.M
Lesson 8-3	Elapsed Time
Lesson 8-4	Calendars
Lesson 8-5	Inches, Feet, Yards, and Miles
Lesson 8-6	Cups, Pints, Quarts, and Gallons
Lesson 8-7	Ounces, Pounds, and Tons
Lesson 8-8	Centimeters
Lesson 8-9	Decimeters, Meters, and Kilometers
Lesson 8-10	Milliliters and Liters
Lesson 8-11	Grams and Kilograms
Lesson 8-12	Celsius and Fahrenheit Temperatures
Lesson 8-13 @	Problem Solving: Make a Model It's Algebra!
	Chapter 8 Test
	Cumulative Assessment
Chapter 9	Multiplying Whole Numbers
Lesson 9-1	Multiplying by Powers of 10 It's Algebra!
Lesson 9-2	Multiplying 3-Digit Numbers
Lesson 9-3	Multiplying Money
Lesson 9-4	Multiplying 3-Digit Numbers With Regrouping
Lesson 9-5	Multiplying 4-Digit Numbers
Lesson 9-6	Multiplying by Multiples of 10
Lesson 9-7	Multiplying by 2-Digit Numbers
Lesson 9-8	Multiplying by 2-Digit Numbers With Regrouping
Lesson 9-9	Multiplying 3-Digit Numbers by 2-Digit Numbers With Regrouping
Lesson 9-10	Using Estimation
Lesson 9-11 4	Problem Solving: Try, Check, and Revise It's Algebra! T183
	Chapter 9 Test
	Cumulative Assessment
-	
Chapter 10	Division of Whole Numbers
Lesson 10-1	Dividing, 3-Digit Quotients
Lesson 10-2	Dividing, Remainders
Lesson 10-3	Dividing, Zeros in Quotients
Lesson 10-4	Dividing Larger Dividends
Lesson 10-5	Dividing Money
Lesson 10-6	Dividing by Multiples of 10
Lesson 10-7	Dividing by Multiples of 10, Remainders
Lesson 10-8	Dividing, 2-Digit Divisors
Lesson 10-9	Estimating Quotients
Lesson 10-10	Partial Dividends
Lesson 10-11	Finding Averages

Lesson 10-13	Problem Solving: Multistep Problems 7209 Calculator: Comparison Shopping 7211 Chapter 10 Test 7213 Cumulative Assessment 7214
Chapter 1	Geometric Figures
	Points, Lines, Rays, and Line Segments 7216 Angles 7217 Polygons 7219 Titangles 7221 Quadrilaterals 7223 Circles 7225 Solid Figures 7227 Chapter 11 Test 723 Chapter 11 Test 723 Cumulative Assessment 723
Chapter 12	Using Geometric Figures
	Similar and Conguent Figures 7283 Symmetry 7285 Tansformations 7237 Tansformations 7237 Area It's Algebra! 7241 Volume It's Algebra! 7241 Typoidem Soving: Restate the Problem 7245 Chapter 12 Test 7247 Cumulative Assessment 7248
Chapter (B)	Fractions
	Fractional Parts T24g Unit Fractions T251 Finding a Fraction of a Numbe T251 Finding a Fraction T255 Finding Equivalent Fractions T257 Finding Equivalent Fractions T259 Finding Simplest Terms T261 Comparing Factions T269 Finding Simplest Terms T261 Comparing Mixed Numbers T263 Tactions in Measurement T267 Ratio T269 Problem Solving: Solve a Simpler but Related Problem T271 Chapter 13 Test T273 Cumulative Assessment T274
	- 12/4

Chapter 14	Adding and Subtracting Fractions
	Adding Fractions With Like Denominators 1275 Submerling Factions With Like Incommitators 1277 Adding and Submerling Factions Simplifying 1279 Adding Factions With Like Denominators 1281 Estimating Fraction Sums 1283 Subtracting Fractions With Unlike Denominators 1283 Subtracting Fractions With Unlike Denominators 1285 Finding Common Multiples 1285 Adding Mired Mumbers 1287 Adding Mired Mumbers 1289 Adding Three Mixed Numbers 1281 Chapter 14 Test 1285 Chapter 14 Test 1285 Chapter 14 Test 1285
Chapter 15	Decimals
	Tenths
Chapter 13	Graphing and Probability
Lesson 16-1 Lesson 16-2 Lesson 16-3 Lesson 16-4 Lesson 16-5 Lesson 16-6 Lesson 16-7 Lesson 16-8 Lesson 16-9	Talles and Bar Graphs 1321 Pictographs 1328 Line Graphs 1326 Meen, Median, Mode, and Range 1327 Oristered Pairs 1329 Graphing Ordered Pairs 1329 Liating Outcomes 1333 Liating Outcomes 1358 Problem Solving: Work Backward 1337 Chapter 16 Test 1339 Cumulative Assessment 1340
Glossary Alternate Ch	

pages 1-2

1 Getting Started

Objective . To review basic addition and

subtraction facts Vocabulary

minuend, subtrahend, difference, addend. sum, number sentences

Materials

*carpet squares or masking tape; *floor number line 0 through 20

Warm Up . Mental Math

Dictate the following problems:

1, 10,000 + 400 (10,400) 2. 60 - 8 (52)

3, 100 + 40 - 60 (80) 4. 7 times 8 plus 3 (59)

5, 10 + 2 (5) 6. 6 + (8 × 2) (22)

7. 3 dozen - 2 dozen (12)

Warm Up . Numeration Write the number names for 0 through 18 in mixed order on the

board. Have students write the number names and their corresponding numbers in order

on a sheet of paper Teach

Introduce the Lesson Have a student read the problem aloud. Ask students to tell what they need to find. (how many more books Rinaldo needs to read) Ask students to tell what they already know. (Rinaldo wants to read 12 books and has read 5 so far.) Have students read the sentences aloud as they solve the problem. · Remind students that they can check their subtraction

by adding. Ask a volunteer to read the next section and have the class fill in the information. Finally, read the last sentence and ask students to give additional examples of number sentences. Develop Skills and Concepts Write 8 - 4 = ____ on the

board. Have a student stand on 8 on the number line and then walk 4 spaces back, toward the smaller numbers.

Addition and Subtraction

Addition Facts and Subtraction Facts Rinaldo's goal for this year is to read 12 books.

We want to know the number of books Rinaldo

Rinaldo's goal is to read 12 books.

He has read 5 books so far this year

To find the number of books he needs to read, we subtract 5 from 12

5 - subtrahend

Rinaldo needs to read __7_ more books this year. To check the subtraction, add 7 and 5

7 ← addend + 5 - addend 12 ← **SU**M

The subtraction is correct because 7 + 5 = 12

7 + 5 = 12 and 12 - 5 = 7 are called number sentences

Getting Started _

Complete each number sentence. Check your answer.

1. 4 + 2 = 6 2. 7 + 9 = 16 3. 8 + 8 = 16 4. 10 - 8 = 2 5. 11 - 3 = 8 6. 13 - 4 = 9 7. 5 + 6 = 11

man 1-1 . Addition forth and Substantion forth

Ask another student to tell where the first student

stopped. (4) Write the following on the board:

8 4-minuand 4 ←subtrahend

4 ←difference minuend subtrahend difference Explain that 8 - 4 = 4 is a number sentence for subtraction. Tell students that the first number is the minuend. It tells where to start on the number line. The second number is the subtrahend. It tells how far to

walk backward. The stopping place is the difference. · Give several examples using horizontal and vertical notations. Have students act out the problems. Have students use addition to check their subtraction. Ask them to label the addends and the sum.

Practice Complete each number sentence. Check your answer

1.7+1= 8

7. 2 + 4 = 6

9. 9 - 2 = 7 10. 13 - 9 = 4 11. 15 - 6 = 9 12. 7 - 3 = 4 13. 12 - 3 = 9 14. 14 - 8 = 6 15. 10 - 5 = 5 16. 8 - 1 = 7

Solve each problem. 47. Megan bought a wool scarf for

\$7 and a pair of mittens for \$6.

48. Butch made 9 sandwiches. His beother ate 7 of them for lunch. How many sandwiches does Lesson 1-1 . Addition Facts and Subtraction Facts

3 Practice

Tell students to complete all the exercises on page 2. Remind students to read carefully to solve the two word problems at the bottom of the page.

4 Assess

Ask students how to check subtraction problems. Then, have them show how to check 12 - 4 = 8, (add the difference and the subtrahend to make sure it equals the minuend; 8 + 4 = 12

For Mixed Abilities

Common Errors • Intervention Some students may have difficulty mastering their basic addition and subtraction facts. Have students work in pairs to practice the facts by using fact cards that show the fact without the answer on one side and the fact with the answer on the reverse side. When responding, students should say all the numbers in the fact: for example, in response to 5 - 3 = ?they should say, "5 minus 3 equals 2." In response to 3 + 5 = ?students should say, "3 plus 5 equals 8." The students can each take half the set of fact cards and take turns asking each other to complete the facts.

Enrichment • Spatial Sense Tell students to draw a map that

shows the highway distances between the towns of Paday, Manola, and Ispin if Manola is 7 miles from Ispin and one travels through Manola when driving the 22 miles from Ispin to Paday. More to Explore . Numeration Have students bring in the front

page of a local newspaper. Tell them to skim the page for any numbers they can find, either in headlines or in stories, and circle them. Have students list the numbers found from least to greatest. Tell students to then write the number words for each number they found. You can also have students exchange newspapers and check each other for numbers they may have

ESL/ELL STRATEGIES

subtrahend, and difference with ESI, students. Write the words on the board, capitalizing the SUBtrahend DIFFerence Have explain its meaning in simple English.

Mathematics

Clear ... Direct ... Accessible

The Complete Program

- Builds strong math skills
 - Provides clear instruction Contains abundant practice Supports pupils of all ability levels

The Teacher's Edition

- Provides complete lesson plans Helps you offer intervention as well as enrichment
- For more information, visit www.pearsonlearning.com/tour/NCLB_MathTour

The Complete MCP Mathematics Program

- - 0-7652-6055-7
- Level B Student Edition

- 0-7652-6062-X
- 0-7652-6063-8
- Level D Teacher's Edition

- - 1-800-321-3106



