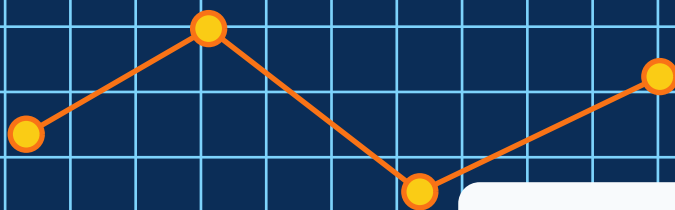


BACK-TO-SCHOOL MATH WORKBOOK

GRADE 3

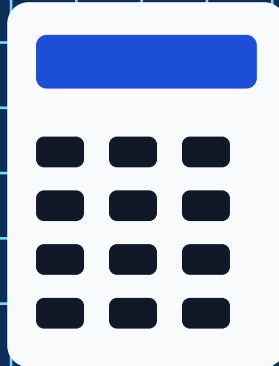


$$24 \div 3 = 8$$

$$6 \times 7 = 42$$

$$318 + 245$$

$$\frac{3}{4} > \frac{1}{4}$$



Complete Grade 3 Review for a Strong Start

Place Value - Operations - Fractions - Geometry - Data - Word Problems

Dr. Kam Berenji

Complete Grade 3 Math Back-to-School Workbook

A complete readiness review for the first weeks of third grade

Book 01 | 2026-2027 Edition

Dr. Kam Berenji

Mathlibros.com

How to Use This Workbook

- Start with one practice page each day during the first weeks of school.
- Have students show work for multi-step questions, especially word problems.
- Use the answer key after students finish a page, not before.
- Circle missed skills and return to those topics later in the week.

Table of Contents

- Number Sense and Operations
- Multiplication and Division
- Fractions
- Measurement, Time, and Money
- Geometry
- Data and Graphs
- Mixed Word Problems
- Practice Tests
- Answer Key

Chapter 1: Number Sense and Operations

Place value and number comparison

Use place value to answer each item.

1. Compare the numbers: 516 ____ 178.	
2. Compare the numbers: 344 ____ 552.	
3. Compare the numbers: 826 ____ 433.	
4. Round 352 to the nearest ten.	
5. Write 468 in expanded form.	
6. Write 315 in expanded form.	
7. Compare the numbers: 487 ____ 680.	
8. Round 294 to the nearest ten.	
9. Compare the numbers: 727 ____ 852.	
10. Compare the numbers: 664 ____ 120.	

Chapter 1: Number Sense and Operations

Addition and subtraction within 1,000

Solve each problem. Regroup when needed.

1. Find $613 - 372$.	
2. Find $790 - 520$.	
3. Find $806 - 301$.	
4. Find $365 - 273$.	
5. Find $790 - 441$.	
6. Find $463 - 442$.	
7. Find $659 - 473$.	
8. Find $869 - 157$.	
9. Find $832 - 271$.	
10. Find $743 - 247$.	

Chapter 2: Multiplication and Division

Equal groups and fact fluency

Model each problem with equal groups, arrays, or related facts.

1. There are 10 bags with 8 pencils in each bag. How many pencils are there?	
2. There are 2 bags with 5 pencils in each bag. How many pencils are there?	
3. There are 6 bags with 7 pencils in each bag. How many pencils are there?	
4. There are 3 bags with 3 pencils in each bag. How many pencils are there?	
5. There are 3 bags with 8 pencils in each bag. How many pencils are there?	
6. There are 3 bags with 6 pencils in each bag. How many pencils are there?	
7. There are 5 bags with 8 pencils in each bag. How many pencils are there?	
8. There are 4 bags with 3 pencils in each bag. How many pencils are there?	
9. There are 8 bags with 2 pencils in each bag. How many pencils are there?	
10. There are 3 bags with 6 pencils in each bag. How many pencils are there?	

Chapter 3: Fractions

Unit fractions and same-denominator comparison

Use equal parts. Write fraction answers in simplest grade-level form.

1. What fraction names 2 equal parts out of 3 equal parts?	
2. What fraction names 1 equal parts out of 4 equal parts?	
3. What fraction names 3 equal parts out of 8 equal parts?	
4. What fraction names 1 equal parts out of 4 equal parts?	
5. What fraction names 4 equal parts out of 8 equal parts?	
6. What fraction names 1 equal parts out of 4 equal parts?	
7. What fraction names 1 equal parts out of 4 equal parts?	
8. What fraction names 1 equal parts out of 2 equal parts?	
9. What fraction names 2 equal parts out of 3 equal parts?	
10. What fraction names 1 equal parts out of 4 equal parts?	

Chapter 4: Measurement, Time, and Money

Measurement conversion and elapsed time

Read each context carefully and include units.

1. Convert 4 feet to inches.	
2. Find the value of 4 quarters, 8 dimes, and 1 nickels.	
3. Find the value of 6 quarters, 5 dimes, and 0 nickels.	
4. A lesson starts at 8:20 and lasts 20 minutes. When does it end?	
5. Find the value of 1 quarters, 1 dimes, and 1 nickels.	
6. A lesson starts at 6:30 and lasts 15 minutes. When does it end?	
7. Convert 4 feet to inches.	
8. Find the value of 3 quarters, 7 dimes, and 4 nickels.	
9. Convert 5 feet to inches.	
10. A lesson starts at 10:30 and lasts 10 minutes. When does it end?	

Chapter 5: Geometry

Area, perimeter, and shape attributes

Use formulas and shape properties. Include units when needed.

1. How many sides does a pentagon have?	
2. How many sides does a triangle have?	
3. A rectangle is 8 units long and 3 units wide. What is its perimeter?	
4. A rectangle has side lengths 6 units and 4 units. What is its area?	
5. How many sides does a pentagon have?	
6. A rectangle is 11 units long and 8 units wide. What is its perimeter?	
7. A rectangle has side lengths 4 units and 7 units. What is its area?	
8. A rectangle is 5 units long and 7 units wide. What is its perimeter?	
9. A rectangle has side lengths 5 units and 3 units. What is its area?	
10. A rectangle has side lengths 4 units and 5 units. What is its area?	

Chapter 6: Data and Graphs

Interpreting data displays

Use the numbers from each table or graph description.

1. Votes: soccer 10, basketball 9, tennis 6. Which choice has the most votes?	
2. A class survey shows 4 votes for soccer, 15 for basketball, and 11 for tennis. How many votes were counted?	
3. A bar graph shows 11 library books and 3 science books. How many more library books are shown?	
4. A bar graph shows 7 library books and 6 science books. How many more library books are shown?	
5. Votes: soccer 15, basketball 5, tennis 13. Which choice has the most votes?	
6. A class survey shows 13 votes for soccer, 14 for basketball, and 13 for tennis. How many votes were counted?	
7. Votes: soccer 11, basketball 11, tennis 11. Which choice has the most votes?	
8. A class survey shows 7 votes for soccer, 15 for basketball, and 5 for tennis. How many votes were counted?	
9. Votes: soccer 8, basketball 3, tennis 6. Which choice has the most votes?	
10. A bar graph shows 8 library books and 3 science books. How many more library books are shown?	

Chapter 7: Mixed Word Problems

Choosing operations

Underline the question, choose an operation, and show your work.

1. A classroom rug has 6 rows of squares with 4 squares in each row. How many squares are on the rug?	
2. One shelf has 52 books and another shelf has 49 books. How many more books are on the larger shelf?	
3. One shelf has 48 books and another shelf has 31 books. How many more books are on the larger shelf?	
4. One shelf has 67 books and another shelf has 50 books. How many more books are on the larger shelf?	
5. Maya reads 28 pages on Monday and 13 pages on Tuesday. She rereads 12 pages. How many new pages did she read?	
6. 56 stickers are shared equally by 8 students. How many stickers does each student get?	
7. A classroom rug has 6 rows of squares with 7 squares in each row. How many squares are on the rug?	
8. Maya reads 48 pages on Monday and 21 pages on Tuesday. She rereads 12 pages. How many new pages did she read?	
9. 36 stickers are shared equally by 4 students. How many stickers does each student get?	
10. A classroom rug has 9 rows of squares with 5 squares in each row. How many squares are on the rug?	

Practice Test 1

Cumulative Review - Part 3

Solve each item. Use scratch paper when needed.

1. Votes: soccer 8, basketball 15, tennis 9. Which choice has the most votes?	
2. A class survey shows 7 votes for soccer, 8 for basketball, and 15 for tennis. How many votes were counted?	
3. Round 359 to the nearest ten.	
4. Round 519 to the nearest ten.	
5. Compare: $\frac{3}{6}$ ____ $\frac{4}{6}$.	
6. Compare: $\frac{2}{3}$ ____ $\frac{2}{3}$.	
7. Find the value of 4 quarters, 4 dimes, and 2 nickels.	
8. Convert 4 feet to inches.	
9. A class survey shows 2 votes for soccer, 3 for basketball, and 4 for tennis. How many votes were counted?	
10. A bar graph shows 11 library books and 8 science books. How many more library books are shown?	
11. How many sides does a hexagon have?	
12. A rectangle is 5 units long and 9 units wide. What is its perimeter?	