

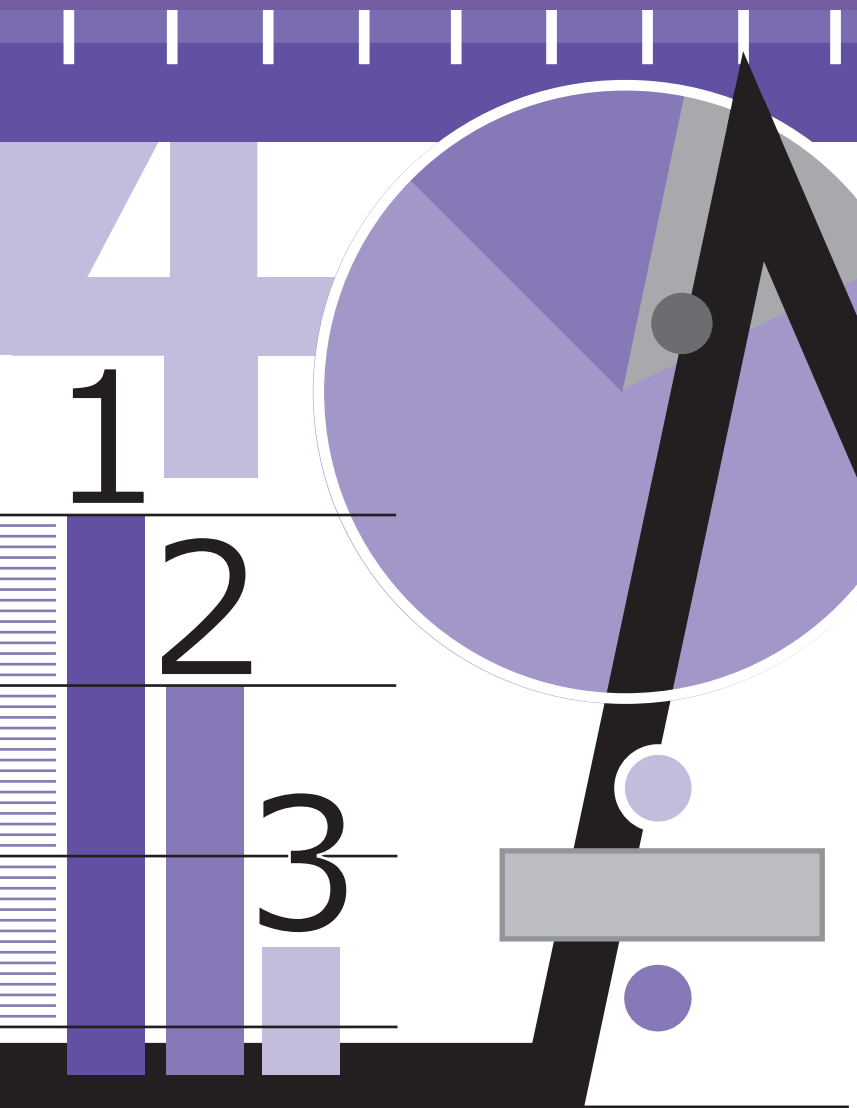
A Quick-Study® Program

Book

4

# TEST... READY®

MATHEMATICS



- **REVIEWS**  
*Key Math Concepts*
- **PROVIDES**  
*Problem-Solving Practice*
- **DEVELOPS**  
*Test-Taking Skills*
- **IMPROVES**  
*Math Assessment Scores*

Name: \_\_\_\_\_

## For the Student

**TEST READY® Mathematics** is a review program that provides practice in important test-taking skills. The program can be completed in thirteen days. Your teacher will provide you with directions about how to do the lessons and how to record the answers. Your teacher will also tell you when to begin work on each lesson part and when to stop.

It is important that you read and follow all directions. When the directions tell you to STOP, go no further. Wait for your teacher to tell you what to do. While you work on the **TEST READY** lessons, you will come across **Testing Tips**. Read these helpful tips carefully. They will make you a better test taker.

## When You Use This Book

- Practice the number facts without using your fingers.
- Read each problem carefully before you attempt to solve it.
- Note all the facts in the problem.
- Look at each sign to see if you should add, subtract, multiply, or divide.
- Determine the number of steps needed to solve the problem.
- Estimate the answer to see if you can cross out any of the multiple choices.
- After the first step in adding, subtracting, multiplying, or dividing, check your answer to see if you can cross out any more of the multiple choices.

This **TEST READY Mathematics** book was prepared for students by Brian E. Enright, Susan C. Miller, and Susan Jones.

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15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

## PART 1 Number Facts

Fill in the correct answer as quickly as possible.

- a)  $18 \div 3 = \underline{\quad}$
- b)  $8 + 9 = \underline{\quad}$
- c)  $6 - 1 = \underline{\quad}$
- d)  $0 \times 9 = \underline{\quad}$
- e)  $36 \div 4 = \underline{\quad}$
- f)  $5 + 5 = \underline{\quad}$
- g)  $11 - 3 = \underline{\quad}$
- h)  $8 \times 7 = \underline{\quad}$
- i)  $42 \div 7 = \underline{\quad}$
- j)  $9 + 7 = \underline{\quad}$
- k)  $6 - 2 = \underline{\quad}$
- l)  $1 \times 6 = \underline{\quad}$
- m)  $7 \div 1 = \underline{\quad}$
- n)  $0 + 8 = \underline{\quad}$
- o)  $12 - 7 = \underline{\quad}$



**STOP**

## PART 2 Computation

**Testing Tip:** Check each answer choice after the first step in computation. This will help you cross out one or more wrong choices.

Choose the correct answer for each problem. If the correct answer is not here, choose NH.

1.  $157 + 301 = \square$

- (A) 457
- (B) 469
- (C) 458
- (D) 556
- (E) NH

2.  $10,360$

$- \quad 2$

- (A) 10,362
- (B) 10,358
- (C) 10,367
- (D) 10,368
- (E) NH

3.  $152 - 143 = \square$

- (A) 295
- (B) 18
- (C) 298
- (D) 9
- (E) NH

4.  $5,781$   
 $+ \quad 205$

- (A) 5,986
- (B) 5,996
- (C) 5,576
- (D) 6,016
- (E) NH

5.  $6,821 - 46 = \square$

- (A) 5,467
- (B) 6,785
- (C) 6,775
- (D) 6,784
- (E) NH

6.  $33,572$   
 $- \quad 281$

- (A) 33,281
- (B) 33,391
- (C) 32,391
- (D) 32,361
- (E) NH

7.  $135$   
 $+ \quad 690$

- (A) 896
- (B) 825
- (C) 805
- (D) 715
- (E) NH

8.  $5,789 + 2 = \square$

- (A) 5,791
- (B) 5,790
- (C) 5,690
- (D) 5,802
- (E) NH

9.  $4,790$   
 $- \quad 3,012$

- (A) 7,702
- (B) 7,701
- (C) 7,710
- (D) 7,802
- (E) NH

10.  $35,912 - 9,701 = \square$

- (A) 26,201
- (B) 26,211
- (C) 26,310
- (D) 36,210
- (E) NH

11.  $67,240 + 4,339 = \square$

- (A) 71,579
- (B) 71,589
- (C) 71,570
- (D) 71,679
- (E) NH

12.  $58,321$   
 $+ \quad 89$

- (A) 58,400
- (B) 58,410
- (C) 58,310
- (D) 58,232
- (E) NH

13.  $6,405$   
 $- \quad 504$

- (A) 5,100
- (B) 4,991
- (C) 5,801
- (D) 5,901
- (E) NH

14.  $7,765$   
 $+ \quad 4,610$

- (A) 12,465
- (B) 12,375
- (C) 12,385
- (D) 12,475
- (E) NH

15.  $38,923$   
 $- \quad 24$

- (A) 38,908
- (B) 38,809
- (C) 38,899
- (D) 38,947
- (E) NH



**STOP**

### PART 3 Operations

Choose the correct answer.

16. These coins are in Rena's purse. What is the total amount of change that she has?



- (A) \$0.31  
(B) \$0.39  
(C) \$0.41  
(D) \$0.49
- 
17. What number is *not* a multiple of 9?  
(A) 63    (B) 81    (C) 46    (D) 27
- 
18. There are 100 cars in a 4-level parking garage. If there are the same number of cars on each level, how many cars are on level 2?  
(A) 100  
(B) 50  
(C) 25  
(D) 75
- 
19. During a leap year, how many days are included in the first three months?  
(A) 89  
(B) 90  
(C) 91  
(D) 92
- 
20. Tanya attends school 6 hours each weekday. How many hours does she attend in 5 weekdays?  
(A) 40  
(B) 32  
(C) 30  
(D) 25

21. Noah and Maddy baked 4 dozen chocolate-chip cookies and 2 dozen oatmeal cookies. Their friends ate 16 cookies. How many cookies remain?  
(A) 56  
(B) 64  
(C) 66  
(D) 58

- 
22. Sarah is 61 inches tall. Shawn is 52 inches tall. How many inches taller is Sarah?  
(A) 6  
(B) 8  
(C) 9  
(D) 10

- 
23. A boy does 15 sit-ups in the morning and 10 more at night. How many sit-ups will he do in 3 days?  
(A) 50  
(B) 25  
(C) 75  
(D) 28
- 
24. Terry had \$4.25. She spent \$2.15. How much money did Terry have left?  
(A) \$2.05  
(B) \$2.10  
(C) \$3.15  
(D) \$2.15

- 
25. There are 12 people on each of 6 buses and 15 people on a seventh bus. How many people are there in all?  
(A) 27  
(B) 86  
(C) 33  
(D) 87



**STOP**

# TEACHER GUIDE

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# TEST... READY®

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## For the Teacher

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### What is **TEST READY® Mathematics**?

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**TEST READY Mathematics** is a review program that provides practice in math test-taking skills. The eight-level program is designed for students in grades 1 through 8. Each **TEST READY Mathematics** level is a 32-page book of twelve lessons, a Practice Test, and an Answer Form. The optional Pretest and an optional master of math-reasoning problems are included in the teacher guide.

- Lessons 1 through 12 are two-page lessons. The twelve lessons provide practice with number facts, computation, and major math concepts. Students employ critical-thinking skills to solve problems. Each of the first six lessons focuses on one of six major strands of mathematics: number sense (Lesson 1), operations (Lesson 2), data: charts and graphs (Lesson 3), patterns and algebra (Lesson 4), measurement (Lesson 5), and geometry (Lesson 6). Lessons 7–12 contain a mix of problems representing the six strands.
- The optional Pretest provides information regarding computation and the six strands before students begin the program. The Pretest appears in the teacher guide beginning on page 7.
- The Practice Test provides practice with computation and the six strands. The Practice Test, as well as the Pretest, allows students the opportunity to experience the test-taking process. Both tests measure the same skills, item for item.
- The Answer Form provides students with the opportunity to record answers on a form similar to the ones used with most standardized assessments.
- **TEST READY Mathematics, Book 4**, reviews key math strategies introduced and developed in grade 4. Book 4 presents a total of 210 computation problems, 190 word problems, and 4 math-reasoning problems. In addition, 180 number facts are practiced.

NOTE: A reproducible master worksheet, featuring four problems that require math-reasoning strategies to solve them, is provided on page 5 of this teacher guide. The use of this master is optional.

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### How does **TEST READY® Mathematics, Book 4**, correlate to major standardized assessments and proficiency assessments?

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Major standardized assessments vary on content, format, and level of difficulty. **TEST READY Mathematics** provides practice with a variety of widely used assessment formats and a broad range of grade-appropriate mathematics strategies that major standardized and proficiency assessments evaluate.

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### How does **TEST READY® Mathematics, Book 4**, correlate to the standard mathematics curriculum?

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Problems included in each lesson of **TEST READY Mathematics, Book 4**, reflect the major content and skills areas that appear in the grade 4 mathematics curriculum.

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### Who should use **TEST READY® Mathematics, Book 4**?

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**TEST READY Mathematics, Book 4**, is appropriate for use

- with fourth-grade students preparing for standardized assessments and proficiency assessments.
- with fifth-grade students at the beginning of the school year to pinpoint mastered and unmastered math concepts and skills.
- as a summer school course of study with students who need further instruction and practice in grade 4 mathematics.

## Scope and Sequence for Book 4

Question Types	Lessons and Questions
<b>Number Sense</b>	<b>1</b> (16–25); <b>7</b> (16, 19, 22); <b>8</b> (17, 22–24); <b>9</b> (17, 18); <b>10</b> (16); <b>PT</b> and <b>OP</b> (16, 18, 23, 25, 27, 28, 31, 34, 36)
<b>Operations</b>	<b>2</b> (16–25); <b>7</b> (21, 23, 25); <b>8</b> (19–21); <b>9</b> (16, 23); <b>10</b> (20–23); <b>11</b> (16, 21–24); <b>12</b> (16–18, 20–25); <b>PT</b> and <b>OP</b> (17, 21, 22, 30, 32, 35, 37, 39, 41–43)
<b>Data and Probability</b>	
• <b>Graphs, Charts, and Tables</b>	<b>3</b> (16–25); <b>7</b> (20); <b>9</b> (20–22); <b>10</b> (17, 19); <b>PT</b> and <b>OP</b> (48–50)
• <b>Averages</b>	<b>7</b> (24); <b>PT</b> and <b>OP</b> (45)
• <b>Probability</b>	<b>8</b> (16); <b>9</b> (25); <b>11</b> (19); <b>PT</b> and <b>OP</b> (44)
<b>Patterns and Algebra</b>	<b>4</b> (16–25); <b>7</b> (17, 18); <b>11</b> (17); <b>PT</b> and <b>OP</b> (19, 24, 29)
<b>Measurement</b>	
• <b>Standard and Metric</b>	<b>5</b> (16, 17, 19, 20, 22, 24, 25); <b>8</b> (18, 24, 25); <b>10</b> (18, 24, 25); <b>11</b> (20); <b>PT</b> and <b>OP</b> (20, 47)
• <b>Time and Money</b>	<b>5</b> (18, 21, 23); <b>9</b> (24); <b>PT</b> and <b>OP</b> (33, 46)
<b>Geometry</b>	<b>6</b> (16–25); <b>9</b> (19); <b>11</b> (18, 25); <b>12</b> (19); <b>PT</b> and <b>OP</b> (26, 38, 40)

**NOTE:** The boldface number in a set indicates the lesson. The numbers in parentheses indicate the questions. **PT** = Practice Test **OP** = Optional Pretest