

Take Home

A Quick-Study™ Program

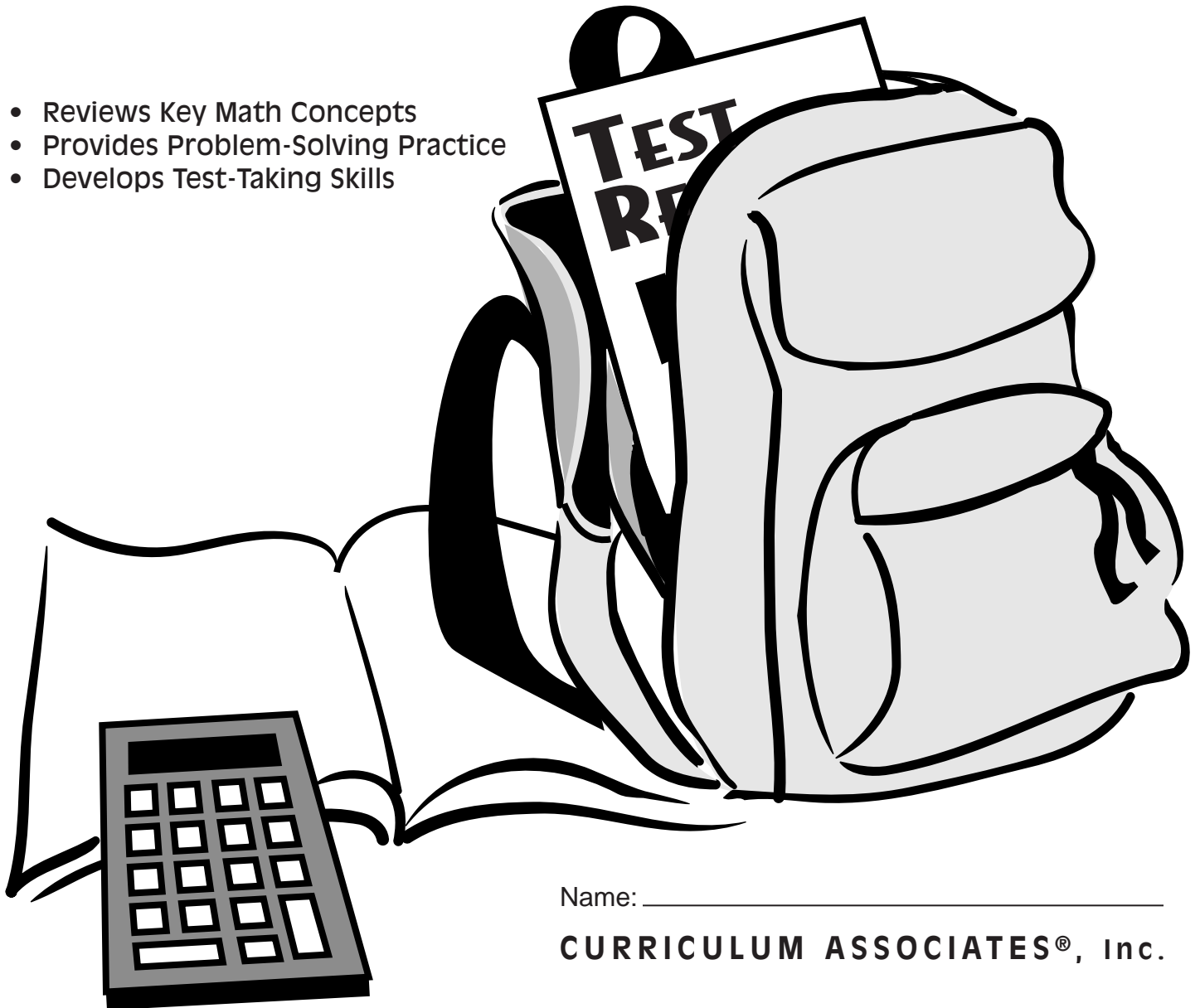
Book

8

TEST... READY®

Mathematics

- Reviews Key Math Concepts
- Provides Problem-Solving Practice
- Develops Test-Taking Skills



Name: _____

CURRICULUM ASSOCIATES®, Inc.

Dear Parent,

Take Home Test Ready® Mathematics is designed to help your child prepare for standardized tests and proficiency tests. The multiple-choice math problems and Answer Form are similar to those used in these tests. Familiarity with common testing formats can help your child during the test. Here are some reasons why:

- The more practice students have with testing formats, the more test wise they become. They learn how to think about test questions and apply test-taking strategies, such as using the process of elimination and estimating.
- Students worry about doing well on a test. When they have practice with testing formats, they feel more at ease taking the test because they know what to expect. They are able to perform to their potential.

Here are some things you can do to help your child use this book:

- Discuss why he or she is completing the book.
- Read and discuss the Ten Top Tips on page 1 and How to Prepare for a Test on the back cover.
- Make sure your child has a quiet, well lit place to work and a desk or table to write on.
- Follow any special instructions sent home by your child's teacher.
- Encourage your child to complete each lesson independently.
- After each lesson, correct the answers with your child. Praise correct answers and explain why any incorrect choices are wrong.
- Enjoy this opportunity to share a beneficial learning experience with your child.

Ten Top Tips

- Look over the test or the test section you are to complete before you answer any questions.
- Decide how long you will spend on each item or section.
- Do the easy items first.
- Read the directions carefully and be sure you understand what you are supposed to do.
- Stay calm and take deep breaths to relax.
- Read all the parts of an item and the answer choices carefully before you choose an answer.
- Use thinking strategies to figure out an answer, and cross out answers you know are wrong.
- Skip an item if you can't figure out the answer, mark the item you skipped, and come back to it later.
- Fill in the answer sheet carefully and be sure item numbers match answer numbers.
- Take time to review your answers.

Lesson 3

Computation

Choose the correct answer for each problem.
If the correct answer is NOT GIVEN, choose (E).

1.
$$\begin{array}{r} 653,462 \\ - 342,478 \\ \hline \end{array}$$

- (A) 311,094
- (B) 310,984
- (C) 310,994
- (D) 995,940
- (E) NG

2.
$$\begin{array}{r} 126.593 \\ 32.860 \\ + 274.073 \\ \hline \end{array}$$

- (A) 311.326
- (B) 402.852
- (C) 412.526
- (D) 433.526
- (E) NG

3. 22% of 1,250 = \square

- (A) 27.5
- (B) 275
- (C) 2,750
- (D) 250
- (E) NG

4. $4\frac{3}{8} \times 3\frac{1}{5} = \square$

- (A) $7\frac{23}{40}$
- (B) $12\frac{3}{40}$
- (C) 14
- (D) $\frac{1}{14}$
- (E) NG

5. $-8 - 4 = \square$

- (A) 4
- (B) -12
- (C) -4
- (D) 12
- (E) NG

6.
$$\begin{array}{r} 3.4607 \\ - 0.3094 \\ \hline \end{array}$$

- (A) 3.7701
- (B) 3.1513
- (C) 3.1613
- (D) 3.1603
- (E) NG

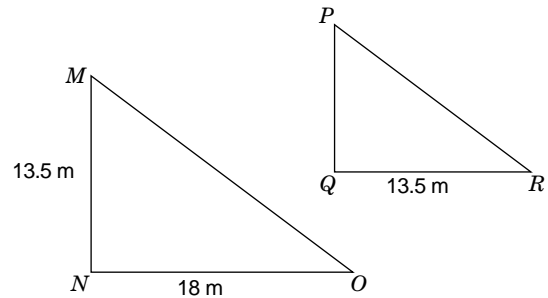
7. $15.42 \times 3.27 = \square$

- (A) 38.1024
- (B) 504.234
- (C) 5.04234
- (D) 18.69
- (E) NG

Word Problems

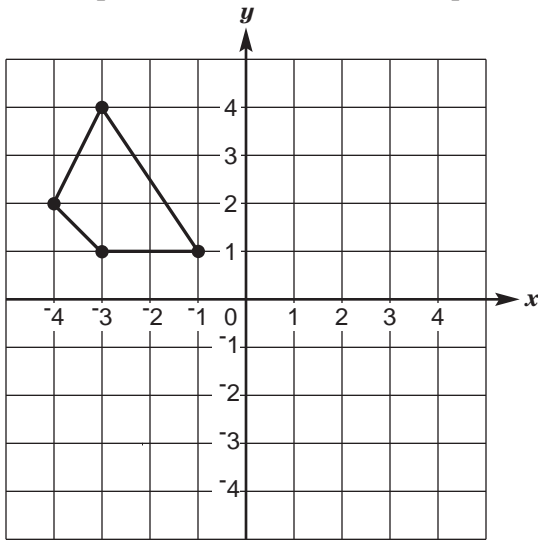
Choose the correct answer.

8. These two figures are similar. What is the measure of \overline{PQ} ?



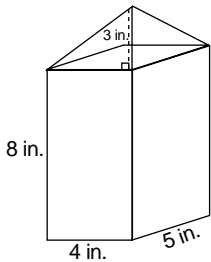
- (A) 13.5 m
 - (B) 4.5 m
 - (C) 10.125 m
 - (D) 16.875 m
9. Which item shows another way to write 9.7 billion?
- (A) 9,700,000
 - (B) 9.7×10^9
 - (C) 97,000,000,000
 - (D) 970,000,000

10. Which point is *not* a vertex of the quadrilateral?



- (A) (-1, 1)
- (B) (-3, 1)
- (C) (2, -4)
- (D) (-3, 4)

11. What is the volume of this container?



- (A) 480 in.^3
- (B) 160 in.^3
- (C) 240 in.^3
- (D) 180 in.^3

12. What is the prime factorization of 72?

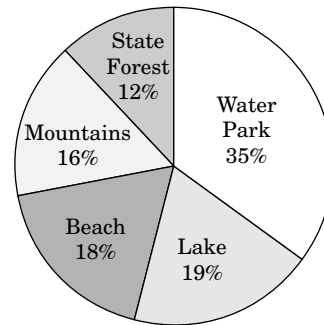
- (A) $3^2 \times 2^3$
- (B) $3 \times 3 \times 2 \times 4$
- (C) $3^3 \times 2^2$
- (D) $6 \times 6 \times 2$

13. A rectangle has sides that measure 12 in. and 18 in. Which item shows the dimensions of a similar rectangle?

- (A) 36 in. by 48 in.
- (B) 6 in. by 12 in.
- (C) 4 in. by 6 in.
- (D) 24 in. by 54 in.

The circle graph shows how an eighth-grade class voted for the destination of their end-of-the-year trip. Use the graph to solve problems 14 and 15.

Destination of the Class Trip



14. Which statement is true about the results of the vote?

- (A) More than $\frac{1}{2}$ of the students voted to go to a water park.
- (B) More than $\frac{1}{3}$ of the students voted to go to a water park.
- (C) More students voted to go to the water park than all of the other places combined.
- (D) The least popular place was the beach.

15. Suppose that 250 students took part in the vote. How many voted to go to the beach?

- (A) 40 students
- (B) 180 students
- (C) 36 students
- (D) 45 students



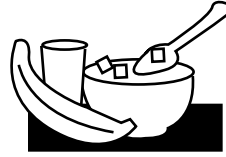
How to Prepare for a Test

Prepare your body. Get plenty of rest.

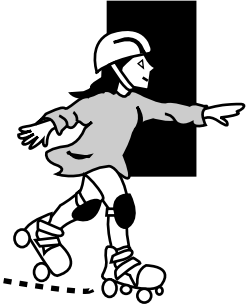


Go to bed early the night before a test.

Eat a healthy,
well-balanced breakfast
before school on the day of the test.

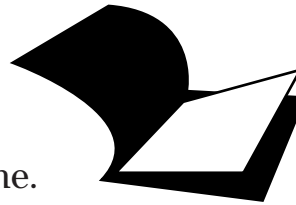


Get plenty of exercise every day
to stay in shape and full of energy.



Prepare your mind.

Be a good student.
Do your school work every day.
Finish all homework assignments on time.

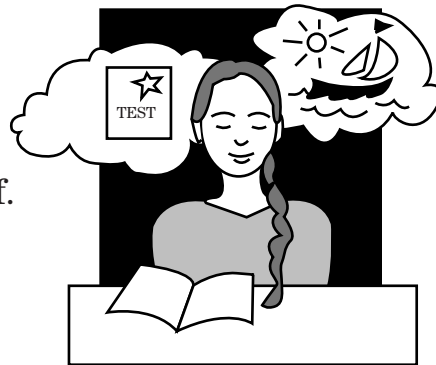


Practice how to take a test.

Become a good test taker.
Use test-taking tips in your everyday school work.
Think positively.
Plan to do your best.

Learn to relax.

Practice using breathing to calm yourself.
Do not worry about the test.
Remember: It's only a test!



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