

STAAR MASTER[®]

Practice Test

Sample Booklet

Grade 8

Mathematics, Form A

(Revised TEKS)



Lori Mammen
Editorial Director

A Research-Based Series for Texas

For more than two decades, we have helped you achieve student success on Texas tests by providing the highest quality test-prep materials. With *STAAR MASTER*[®], we continue our commitment to create research-based content that engages students and makes teaching easier.

The TEKS for mathematics have undergone significant changes, and we have revised our *STAAR MASTER*[®] Practice Tests for Math accordingly. The most prominent changes include:

- Reorganization of mathematics strands
- An all-new strand addressing “Personal Financial Literacy”
- An increased depth of understanding as to *why* and *how* mathematics processes work



Since 1982

STAAR MASTER®

Practice Test

Revised for the Most Recent TEKS

Mathematics Grade 8

Form A

Teacher Guide

ECS99393-TG

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Dear Texas Educator,

Since 1982, ECS Learning Systems has created quality K–12 teaching materials, training, and media. As a Texas-based publisher of the highest quality test-prep materials, we have always shared your commitment to lead your students to success on Texas tests—TEAMS, TAAS, TAKS, and now the STAAR®. With *STAAR MASTER*®, we continue our commitment to create research-based content that engages students and makes teaching easier.



The *STAAR MASTER* series includes new, challenging content to prepare students for the rigor of the STAAR. It's what you have come to expect from the most trusted source in Texas testing. Check our Web site often for the latest information at ecslarningsystems.com/staarmaster.

As you use *STAAR MASTER* in your classroom, we hope to hear from you! Send us your story and let us know:

- Why you need our product(s)
- How you use them in your classroom
- What outcomes and results you are experiencing

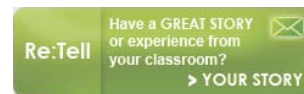
At ECS, we strive to provide educators like you with easy-to-use and effective materials that make teaching easier. We count it as a privilege to have you as a customer, and we hope that our products continuously exceed your expectations.

Please let us know how well the *STAAR MASTER* products worked in your classroom. Also, please spread the word—many of our new customers are referred by teachers like you.

Sincerely,

Your ECS Team

p.s. It's easy to share your story! Visit our Re:Think blog at ecslarningsystems.com/blog and click the Re:Tell button.



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Overview of *STAAR MASTER*® Practice Tests

The *STAAR MASTER*® *Practice Tests* allow teachers to assess their students' mastery of the curriculum standards tested on the State of Texas Assessments of Academic Readiness (STAAR®). Each Practice Test reflects the test structure and content outlined in the corresponding STAAR blueprint provided by the Texas Education Agency. Teachers can find the blueprint for each STAAR assessment at the agency's Web site: <http://www.tea.state.tx.us>.

In particular, each *STAAR MASTER Practice Test* includes—

- course-specific practice items based only on the eligible Texas Essential Knowledge and Skills (TEKS)

- the exact number of practice items specified in the blueprint for the corresponding test
- the correct number of practice items for both readiness standards and supporting standards, reflecting the ratio specified in test blueprints
- the appropriate number of griddable practice items (mathematics only)
- rigorous practice items that assess skills at a greater depth

Each STAAR MASTER® Practice Test Teacher Guide includes a correlation chart with pertinent information for each item in the test booklet.

Correlation Chart Features:

- complete answer key
- identification of the reporting category for each item
- standard(s) and expectation(s) tested in each item
- identification of readiness and supporting standards
- complexity level (Low, Moderate, High) of each item

Answer Key

Item	Answer	Category	Standard(s)	Readiness	Supporting	Complexity Level*
1		3	8.1D; 8.1F; 8.3A		X	M
2		2	8.1A; 8.1B; 8.1D; 8.1F; 8.8C	X		H
3		3	8.1D; 8.1F; 8.6C		X	M
4		2	8.1F; 8.5G	X		M
5		2	8.1D; 8.1F; 8.5G	X		M
6		2	8.1D; 8.1F; 8.4C	X		M
7		3	8.1D; 8.1E; 8.1F; 8.6A		X	M
8		4	8.1A; 8.1B; 8.1F; 8.12D	X		M
9		2	8.1A; 8.1D; 8.1E; 8.1F; 8.4B	X		M
10		3	8.1D; 8.1F; 8.1G; 8.10C	X		M
11		2	8.1A; 8.1B; 8.1F; 8.8C	X		M
12		3	8.1D; 8.1F; 8.2C	X		H

STAAR MASTER® Practice Test, Teacher Guide—Mathematics, Grade 8



FREE Teacher Guide included with each pack.

English

- | | | |
|------------------|---------------|------------------|
| Reading, Grade 3 | Math, Grade 3 | Writing, Grade 4 |
| Reading, Grade 4 | Math, Grade 4 | Writing, Grade 7 |
| Reading, Grade 5 | Math, Grade 5 | |
| Reading, Grade 6 | Math, Grade 6 | |
| Reading, Grade 7 | Math, Grade 7 | |
| Reading, Grade 8 | Math, Grade 8 | |

Spanish

- | | |
|------------------|---------------|
| Reading, Grade 3 | Math, Grade 3 |
| Reading, Grade 4 | Math, Grade 4 |
| Reading, Grade 5 | Math, Grade 5 |

Consumable practice tests—may not be reproduced. STAAR MASTER® Practice Tests are non-returnable.



Since 1982

STAAR MASTER®

Practice Test

Revised for the Most Recent TEKS

Mathematics

Grade 8

Form A

Name _____

Date _____

ISBN: 978-1-60539-939-3

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See page 3 of this Sample Booklet for a detailed description of the STAAR MASTER® Practice Tests.

Standard/Expectation

STAAR MASTER® Practice Test

Complexity Level

Math, Grade 8—Form A

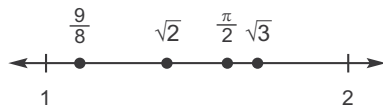
8.1D; 8.1F; 8.2D (L)

19. Katy placed the following numbers in order from least to greatest on a number line.

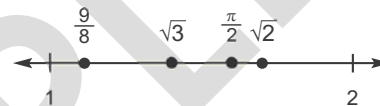
$$\frac{9}{8} \quad \frac{\pi}{2} \quad \sqrt{3} \quad \sqrt{2}$$

On which number line do the numbers appear correctly?

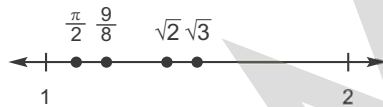
A



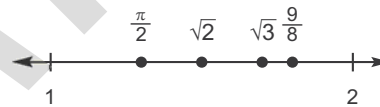
C



B



D



8.1A; 8.1B; 8.1F; 8.12D (M)

20. Juan deposits \$1,500 into a savings account that pays 4.5% interest compounded annually. If Juan makes no deposits or withdrawals, how much money will be in his savings account after 3 years?

Record your answer in the boxes. Then fill in the bubbles. Be sure to use the correct place value.

					.		
+	0	0	0	0		0	0
-	1	1	1	1		1	1
	2	2	2	2		2	2
	3	3	3	3		3	3
	4	4	4	4		4	4
	5	5	5	5		5	5
	6	6	6	6		6	6
	7	7	7	7		7	7
	8	8	8	8		8	8
	9	9	9	9		9	9

continued on next page

Revised for the Most Recent TEKS



Reading • Mathematics • Writing • Social Studies • Science • Algebra I
English and Spanish versions

Credible

Same ECS quality

- based on most recent eligible TEKS and STAAR® test blueprints
- practice items marked with complexity level (L, M, or H)
- questions labeled with "skill tags"

Authentic

Reflects key characteristics of STAAR®

- increased rigor
- emphasis on readiness standards
- more open-ended (griddable) items (mathematics and science)
- assessment of process skills within context (mathematics, science, and social studies)

Fresh

Includes challenging, original content

- targeted practice in a variety of contexts
- range of topics to interest students
- clear and consistent page layout
- complete answer keys for teachers

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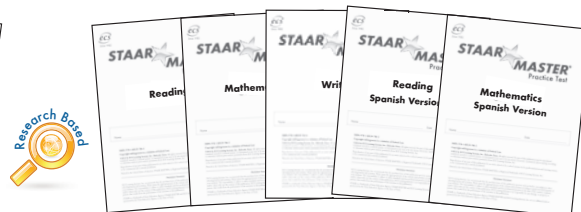
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 books listed below.

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Student Practice Books • Practice Tests
Reading • Mathematics • Writing • Social Studies • Science • Algebra I
English • Spanish Grades 3–9



Value-Priced to provide each student a copy.

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English

Reading, Grade 3
 Reading, Grade 4
 Reading, Grade 5
 Reading, Grade 6
 Reading, Grade 7
 Reading, Grade 8

Math, Grade 3
 Math, Grade 4
 Math, Grade 5
 Math, Grade 6
 Math, Grade 7
 Math, Grade 8

Writing, Grade 4
 Writing, Grade 7

Science, Grade 5
 Science, Grade 8

Social Studies, Grade 8

Algebra I

Spanish

Reading, Grade 3
 Reading, Grade 4
 Reading, Grade 5

Math, Grade 3
 Math, Grade 4
 Math, Grade 5

Science, Grade 5

FREE Teacher Guide (a \$15.00 value) included with each pack. For School Packs, an extra Teacher Guide will be included free for each additional 30 copies ordered.

STAAR MASTER® Practice Tests (Form A & Form B)

English

Reading, Grade 3
 Reading, Grade 4
 Reading, Grade 5
 Reading, Grade 6
 Reading, Grade 7
 Reading, Grade 8

Math, Grade 3
 Math, Grade 4
 Math, Grade 5
 Math, Grade 6
 Math, Grade 7
 Math, Grade 8

Writing, Grade 4
 Writing, Grade 7

Spanish

Reading, Grade 3
 Reading, Grade 4
 Reading, Grade 5

Math, Grade 3
 Math, Grade 4
 Math, Grade 5

FREE Teacher Guide included with each pack.

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 with STAAR MASTER® Student Practice Books

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Rev. 07/31/14 SMIFC

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