Mathematics STAAR® Workstations Volume 2

Algebra I

Product ID: 407-1972D

Region 4 Education Service Center supports student achievement by providing educational products and services that focus on excellence in service for children.

Published by
Region 4 Education Service Center
7145 West Tidwell Road
Houston, Texas 77092-2096
www.esc4.net

First edition 2018

ISBN-13: 978-1-945615-29-0

Printed in the United States of America

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Acknowledgments

Region 4 Education Service Center would like to acknowledge the talent and expertise of those who contributed to the development of this resource. Their dedication to our core values of excellence in service for children made possible the creation of this resource to assist educators in providing quality, effective instruction for all students.

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Contents

What is *Mathematics STAAR® Workstations Volume 2*?

Mathematics STAAR® Workstations Volume 2 is a student-centered review resource to be used to address the Mathematics TEKS that, based on current data, have proven challenging for students. Each workstation is TEKS-based and may be used to enrich Tier I instruction or as a review at the rigor outlined by the TEKS.

Each review workstation is designed to take 15-20 minutes and fit in a single file folder to create a convenient and engaging review resource. These workstations may be used in a variety of structures, including differentiated review during class, review sessions, and tutorials.

Using *Mathematics STAAR® Workstations* Folders

A folder format provides flexible options for review. The following are examples of ways to use the folders:

- Individualized Review: Students complete workstations that target their area(s) of greatest need based on formative assessment data.
- Review Stations: Student groups work through each folder and note any topics they find confusing or for which they need further review. The teacher monitors student discussions to assess for misconceptions. These points for review can be addressed individually or as a class to make the best use of class time.
- Whole Class Review: During one class period, the class works in small groups through the same review workstation folder(s) and debriefs together.

Creating *Mathematics STAAR® Workstations* Folders

To create the review workstations in this resource, you will need the following materials:

- Access to a copy machine and/or printer
- Cardstock
- Envelopes and resealable plastic bags
- File folders, preferably a different color for each Reporting Category
- Packing tape
- Glue sticks
- Hook-and-loop dots

Follow these steps to create each *Mathematics STAAR® Workstations* folder:

1. Read through the Teacher Notes and gather the materials for the workstation.
2. Print the Labels, Instructions, Task Cards, and Student Answer Keys. You may access the digital files and choose to print in color or black and white. Access digital files at http://r4hub.esc4.net using your login information.
3. Cut out the Labels, Instructions, Task Cards, and Student Answer Keys, and attach each to the folder. You may choose to follow the sample layout provided in the Teacher Notes or organize the folder in a way that meets the needs of your students.
4. Print copies of the student pages. These are designed to be consumables for students to use as a study guide.

What is *Mathematics STAAR® Workstations Volume 2*?

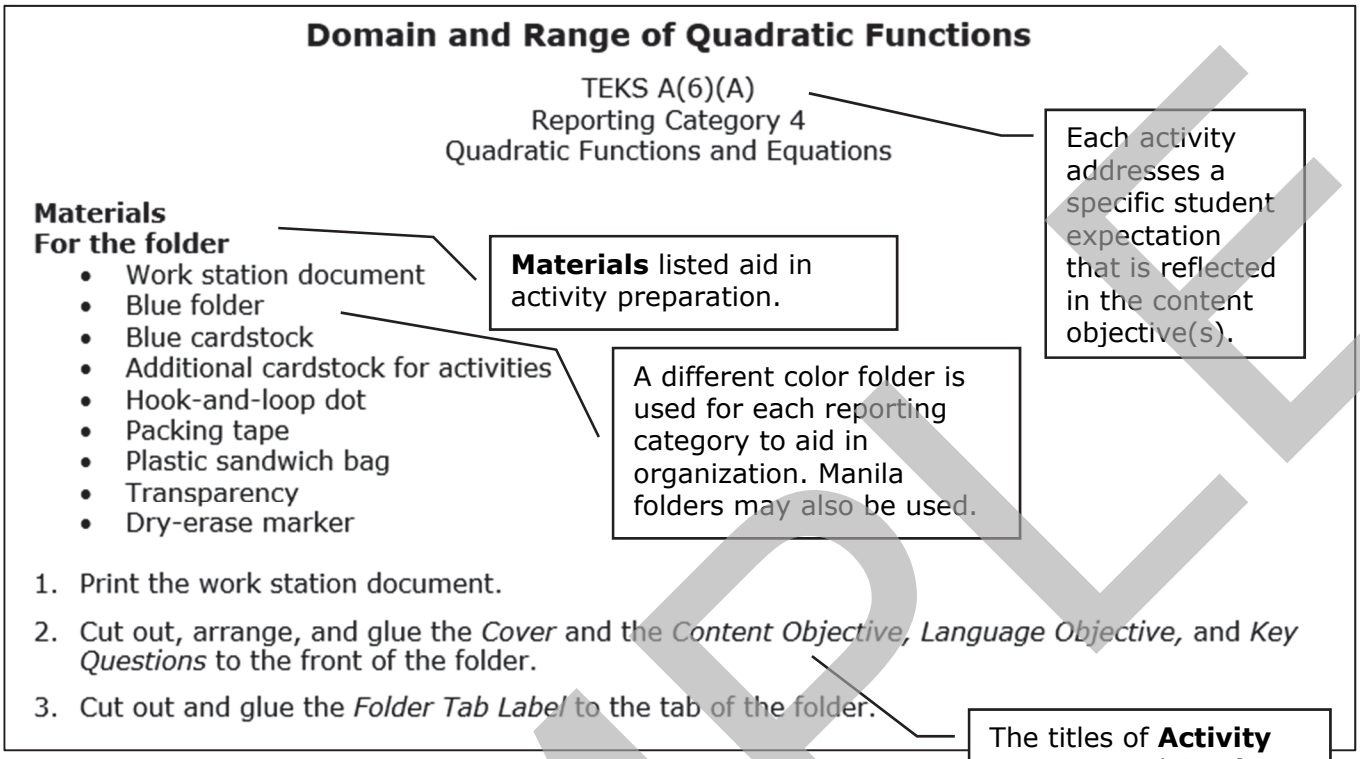
Answer Keys
Answer keys are included with each workstation. The answer keys may be used in one of the following ways:

- Place the answer key on the back cover of the folder under a flap for students to self-check as they complete the workstation.
- Place the answer key inside the folder in a pocket or under a flap for students to self-check as they complete the workstation.
- Plan for students to visit a solution station with a labeled answer key for each workstation.

Debriefing and Providing Feedback
Depending on how the folders are used, the teacher may choose a variety of strategies to provide feedback:

- Use Key Questions and the practice assessment item to debrief the workstation. Students who are unable to accurately answer these questions following completion of the workstation's activity may need additional support.
- Students complete each workstation and use the answer key or visit the solution station to check their answers. Students should note any questions about a concept or skill so that their questions can be addressed by their teacher.

Mathematics STAAR® Workstations Volume 2 Features

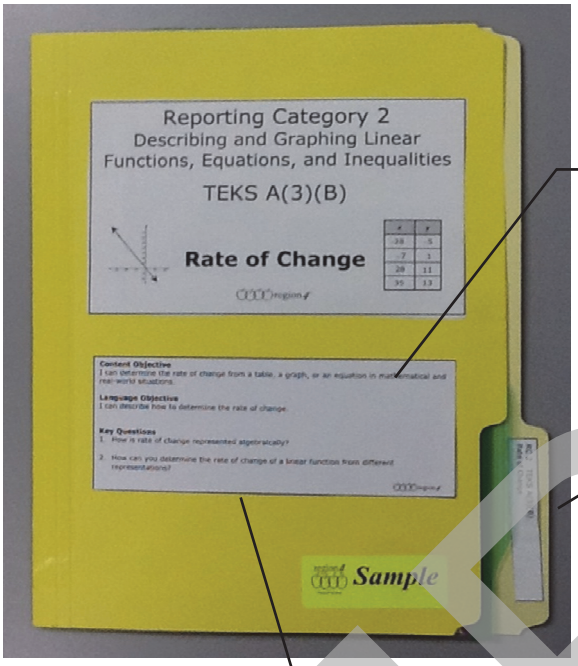


Reporting Category Folder Color Recommendations

Reporting Category 1: Red Folders
Reporting Category 2: Yellow Folders
Reporting Category 3: Green Folders
Reporting Category 4: Blue Folders

Mathematics STAAR® Workstations Volume 2 Features

Front Cover



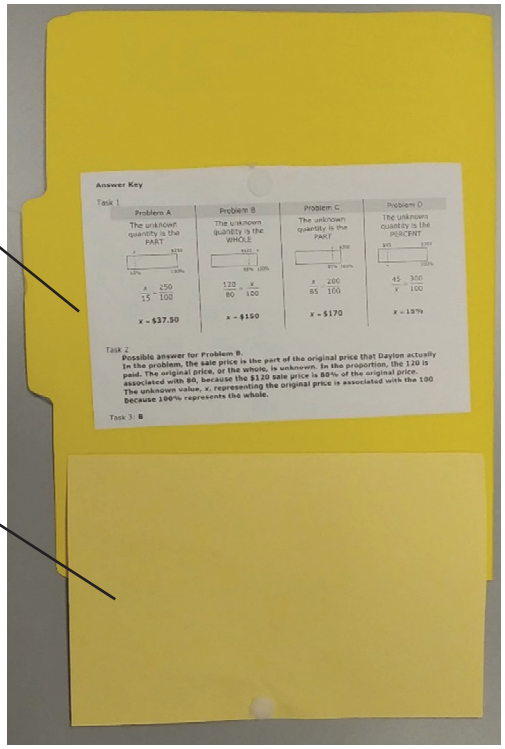
Language Objective and **Content Objective** describe the focus of the TEKS-based activity in student-friendly language.

Folder Tab Labels are provided to aid in organization of folders.

Key Questions help students focus on what they should know after completing the tasks in each activity folder. They also serve to focus student discourse while completing the tasks.

Back Cover

The **Answer Key** allows students to self-check their answers to each task.



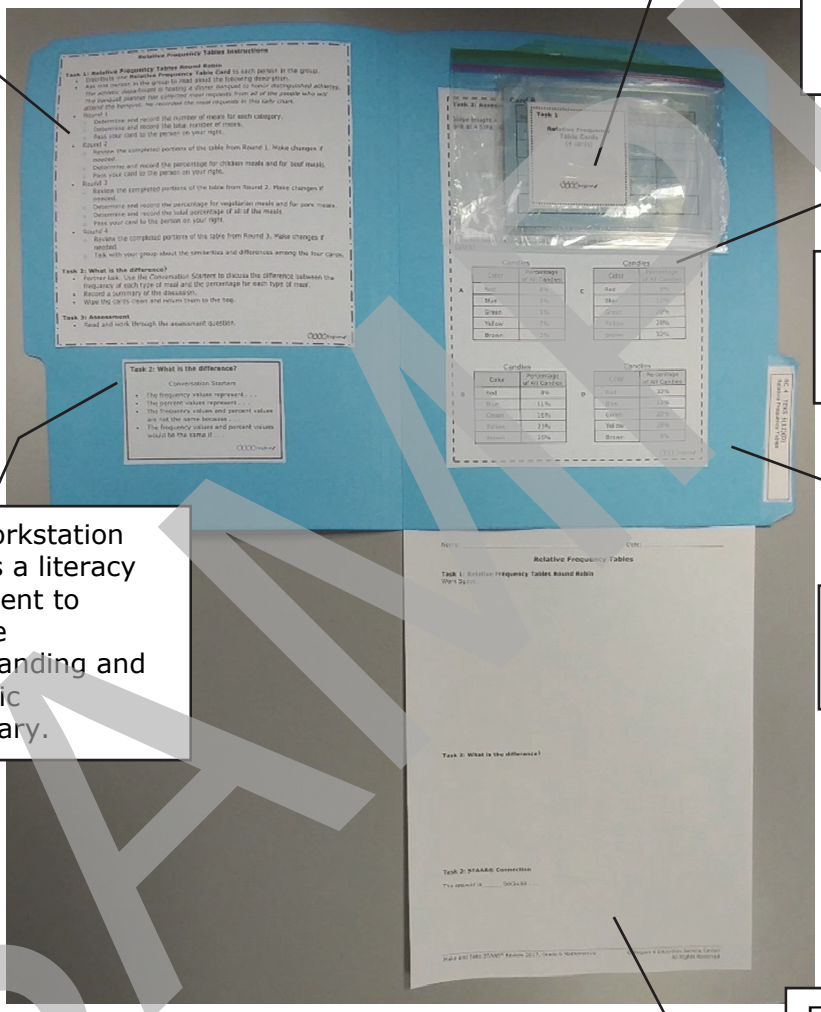
Cardstock Cover keeps an answer key secure until students are ready to check their work.

Mathematics STAAR® Workstations Volume 2 Features

Inside Folder

Each workstation includes step-by-step instructions to aid students in completing each task.

Some workstations include card sorts or have other manipulatives. Cards are stored in the folder either in a pocket (created using cardstock or an envelope) or in a resealable plastic bag.



A STAAR® -formatted assessment item is included in each station.

Each workstation includes a literacy component to promote understanding and academic vocabulary.

Varied border designs are used to distinguish tasks.

Each workstation includes a reproducible master that provides students with a study guide.

Mathematics STAAR® Workstations, Volume 2, Algebra 1 Mathematics Materials

Workstation	Materials
Factoring Trinomials A(10)(E)	• Workstation document • Red folder • Red cardstock • Hook-and-loop dot • Packing tape • Plastic sandwich bag
Rate of Change A(3)(B)	• Workstation document • Yellow folder • Yellow cardstock • 2 Plastic sandwich bags • 1 transparency • Packing tape • Dry-erase markers • Hook-and-loop dot
Writing and Solving Systems of Linear Equations A(5)(C)	• Workstation document • Green folder • Green cardstock • Hook-and-loop dot • Packing tape • Plastic sandwich bag
Domain and Range of Linear Functions A(2)(A)	• Workstation document • Green folder • Green cardstock • Hook-and-loop dot • Packing tape
Writing Equations from Verbal Descriptions A(2)(C)	• Workstation document • Green folder • Green cardstock • Hook-and-loop dot • Packing tape • Plastic sandwich bag
Domain and Range of Quadratic Functions A(6)(A)	• Workstation document • Blue folder • Blue cardstock • Hook-and-loop dot • Packing tape • Plastic sandwich bag

Workstation	Materials
Attributes of Quadratic Functions A(7)(A)	• Workstation document • Blue folder • Blue cardstock • Hook-and-loop dot • Packing tape • Plastic sandwich bag
Writing Exponential Functions A(9)(C)	• Workstation document • Purple folder • Purple cardstock • Hook-and-loop dot • Packing tape • Plastic sandwich bag • One transparency • Dry-erase marker

Mathematics STAAR® Work Stations
Volume 2, Algebra 1

		Pages to Copy for Folder Construction and Assembly		Pages to Copy for Student Consumables
Work Station	**Reporting Category and Folder Color**	**Paper**	**Cardstock**	**Student Recording Sheet**
Factoring Trinomials	RC 1 Red	5-6, 8	7	9
Rate of Change	RC 2 Yellow	14-17	18-21	22
Writing and Solving Systems of Linear Equations	RC 3 Green	27-29	31	30
Domain and Range of Linear Functions		36-40		41
Writing Equations from Verbal Descriptions		46-48	49-50	51
Domain and Range of Quadratic Functions	RC 4 Blue	56-60	61	62
Attributes of Quadratic Functions		67-70	71	72
Writing Exponential Functions	RC 5 Purple	78-81	82-83	84

Please ensure that print sizing is set to "Actual size."