

MTM STAAR QUESTION BANK



40+ questions that reflect the new question types

7

An equation is modeled.

x	x	x	-1	-1	=	1	1	1	1
			-1	-1		1	1	1	1
			-1	-1		1	1	1	1

Write the equation for the model and find the value of x that makes the equation true.

Move the correct answer to each box. Each answer may be used more than once. Not all answers will be used.

Equation:

x =

©Maneuvering the Middle LLC, 2022

new question types:

- ✓ equation editor
- ✓ drag and drop
- ✓ graphing
- ✓ hot spot
- ✓ number line
- ✓ match table grid
- ✓ inline choice
- ✓ multiselect

interactive
features are
for display
only

3

The table below shows the prices per pound of organic produce at a farmer's market. Olivia had \$20 in cash to spend at the farmer's market. She purchased 3 pounds of apples, 2 pounds of acorn squash, and 2 pounds of tomatoes. Which statements are supported by the data in the table?

Item	Price (per pound)
Apples	\$2.57
Acorn Squash	\$1.44
Tomatoes	\$3.18

Select TWO correct answers.

- ☐ Olivia spent \$5.57 on apples.
- ☐ Olivia spent \$4.32 on acorn squash.
- ☐ Olivia spent a total of \$6.36 on tomatoes.
- ☐ Olivia spent a total of \$14.38 on organic produce at the farmer's market.
- ☐ Olivia had \$3.05 remaining after her purchase of organic produce at the farmer's market.

©Maneuvering the Middle LLC, 2022

MTM STAAR QUESTION BANK



40+ questions that reflect the new question types

familiarize your students
with the new question types

MTM STAAR Question Bank TEACHER INSTRUCTIONS

7th
GRADE

WHAT'S INCLUDED

This 7th grade question bank was created to provide ready-to-go practice materials in order to review mathematical content and practice new question formats. The following files are included:

- **Question Bank:** This file contains a link to access the questions through Google Slides. The slides are designed to be projected in a whole class setting where the teacher and/or student can annotate on the slides.
- **Printable Questions:** This file includes the same practice questions as the question bank slides but is formatted as a half-sheet in order to provide a printable paper option for individual students.
- **Answer Keys:** This file is formatted with two practice questions per page with the correct answers shown. In situations where there is more than one possible answer, a sample answer is shown.

HOW TO USE

This resource is designed for gradual use with a classroom of students. For example, each question might serve as a useful warm-up and/or exit ticket to incorporate regularly in the classroom. A suggested routine is outlined below:

1. Print and copy a question and cut into half sheets for each student. Project the corresponding question on the board.
2. Allow students 3-5 minutes to work through the given question.
3. Ask for students to share solutions, steps and strategies as you annotate on the board. Provide any instruction and clarification as needed.

For more information and specifics on utilizing the Maneuvering the Middle® STAAR Question Bank, please reference the training modules below.

After clicking the link below, enter password MTMPD2023 when prompted.

<p>Module 1: what upcoming changes to the STAAR test I should know about?</p>  <p>A MANEUVERING THE MIDDLE® TRAINING</p>	<p>Module 2: what is the purpose of the MTM question bank?</p>  <p>A MANEUVERING THE MIDDLE® TRAINING</p>	<p>Module 3: how should I use the question bank in my classroom?</p>  <p>A MANEUVERING THE MIDDLE® TRAINING</p>
--	---	---

Module 1:
Upcoming Changes to the
STAAR Test

Module 2:
The Purpose of the MTM
Question Bank

Module 3:
How to Use the Question
Bank in Your Classroom

STAAR is a registered trademark of the Texas Education Agency. Maneuvering the Middle® is not affiliated with or sponsored by the Texas Education Agency or the State of Texas.

©Maneuvering the Middle LLC, 2022

MTM STAAR QUESTION BANK



40+ questions that reflect the new question types

printable
questions are
formatted on
half sheets



Name _____ Date _____ Pd _____

8

Create a number line that best represents the solution to the inequality shown.

$$4x - 22 < -6$$

Select a ray. Move the point on the ray to the correct place on the number line.

©Maneuvering the Middle LLC, 2022

Name _____ Date _____ Pd _____

8

Create a number line that best represents the solution to the inequality shown.

$$4x - 22 < -6$$

Select a ray. Move the point on the ray to the correct place on the number line.

©Maneuvering the Middle LLC, 2022

answer keys
provided



MTM STAAR Question Bank 7TH GRADE — ANSWER KEY

27 Answer Key (Equation Editor; 7.9A)

A desk drawer is shaped like a rectangular prism. The volume of the drawer is 540 in^3 . The area of the base of the drawer is 120 in^2 . What is the height of the drawer in inches?

Enter your answer in the box.

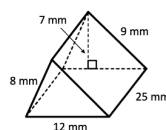
4.5

1	2	3
4	5	6
7	8	9
	0	
.	-	$\frac{\Box}{\Box}$

*Keypad for visual purposes only

28 Answer Key (Multiselect; 7.9A)

The dimensions of a triangular prism are shown in the diagram.



Select TWO correct answers.

- ☐ The shape of the base of the prism is a rectangle.
- ☐ The area of the base can be found using the formula $\frac{1}{2}(b)(h)$.
- ☒ The area of the base is 42 mm^2 .
- ☐ The volume of the triangular prism can be found using the formula $\frac{1}{3}(42)(25)$.
- ☒ The volume of the triangular prism is $1,050 \text{ mm}^3$.

©Maneuvering the Middle LLC, 2022

MTM STAAR QUESTION BANK



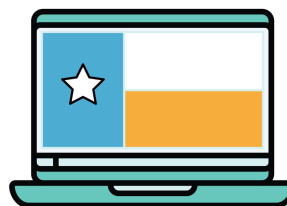
40+ questions that reflect the new question types

3 training modules help you prepare your students and implement with success



MODULE
1

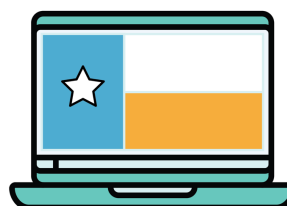
what upcoming changes to the STAAR test I should know about?



A MANEUVERING THE MIDDLE® TRAINING

MODULE
2

what is the purpose of the MTM question bank?



A MANEUVERING THE MIDDLE® TRAINING

MODULE
3

how should I use the question bank in my classroom?



A MANEUVERING THE MIDDLE® TRAINING

MTM STAAR QUESTION BANK



40+ questions that reflect the new question types

table of contents include:

- ✓ TEKS standard
- ✓ question type
- ✓ corresponding MTM unit

MTM STAAR Question Bank

TEACHER INSTRUCTIONS

7th GRADE

TABLE OF CONTENTS

The following questions are included in the 7th grade question bank. The standard assessed, question type utilized and corresponding Maneuvering the Middle® curriculum unit are noted.

question	standard	question type	mtm unit
1	7.3B apply and extend previous understandings of operations to solve problems using addition, subtraction, multiplication, and division of rational numbers	Equation Editor	1: Numbers and Operations
2	7.3B apply and extend previous understandings of operations to solve problems using addition, subtraction, multiplication, and division of rational numbers	Inline Choice	1: Numbers and Operations
3	7.3B apply and extend previous understandings of operations to solve problems using addition, subtraction, multiplication, and division of rational numbers	Multiselect	1: Numbers and Operations
4	7.10B* Represent solutions for one-variable, two-step equations and inequalities on number lines	Number Line	2: Equations and Inequalities
5	7.10B* Represent solutions for one-variable, two-step equations and inequalities on number lines	Inline Choice	2: Equations and Inequalities
6	7.11A model and solve one-variable, two-step equations and inequalities	Equation Editor	2: Equations and Inequalities
7	7.11A model and solve one-variable, two-step equations and inequalities	Drag and Drop	2: Equations and Inequalities
8	7.11A model and solve one-variable, two-step equations and inequalities	Number Line	2: Equations and Inequalities
9	7.4D solve problems involving ratios, rates, and percents, including multi-step problems involving percent increase and percent decrease, and financial literacy problems	Equation Editor	3: Proportionality

*This is a supporting standard which was included to highlight a specific question type.

STAAR is a registered trademark of the Texas Education Agency. Maneuvering the Middle® is not affiliated with or sponsored by the Texas Education Agency or the State of Texas.

©Maneuvering the Middle LLC, 2022