STAAR Mathematics Workbook For Grade 6

Step-By-Step Guide to Preparing for the STAAR Math Test 2019

The Only Book Your Student Will Ever Need to ACE the STAAR Math Test!

2 Complete STAAR Math Practice Tests

Reza Nazari
&
Ava Ross

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By

Reza Nazari

& Ava Ross

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Description

The goal of this book is simple. It will help your student incorporates the best method and the right strategies to prepare for the STAAR Mathematics test FAST and EFFECTIVELY.

STAAR Mathematics Workbook is full of specific and detailed material that will be key to succeeding on the STAAR Math. It's filled with the critical math concepts a student will need in order to ace the test. Math concepts in this book break down the topics, so the material can be quickly grasped. Examples are worked step–by–step, so you learn exactly what to do.

STAAR Math Workbook helps your student to focus on all Math topics that students will need to ace the STAAR Math test. This book with 2 complete STAAR tests is all your student will ever need to fully prepare for the STAAR Math.

This workbook includes practice test questions. It contains easy–to–read essential summaries that highlight the key areas of the STAAR Math test. Effortless Math test study guide reviews the most important components of the STAAR Math test. Anyone planning to take the STAAR Math test should take advantage of the review material and practice test questions contained in this study guide.

Inside the pages of this workbook, students can learn basic math operations in a structured manner with a complete study program to help them understand essential math skills. It also has many exciting features, including:

- Dynamic design and easy–to–follow activities
- A fun, interactive and concrete learning process
- Targeted, skill–building practices
- Math topics are grouped by category, so students can focus on the topics they struggle on
- All solutions for the exercises are included, so you will always find the answers
- 2 Complete STAAR Math Practice Tests that reflect the format and question types on STAAR

STAAR Math Workbook is a breakthrough in Math learning — offering a winning formula and the most powerful methods for learning basic Math topics confidently. Each section offers step–by–step instruction and helpful hints, with a few topics being tackled each chapter. Two complete REAL STAAR Math tests are provided at the back of the book to refine your student's Math skills.

STAAR Math Workbook **is the only book your student will ever need to master Basic Math topics!** It can be used as a self–study course – you do not need to work with a Math tutor. (It can also be used with a Math tutor).

Ideal for self–study as well as for classroom usage.



About the Author

Reza Nazari is the author of more than 100 Math learning books including:
– Math and Critical Thinking Challenges: For the Middle and High School Student
– GRE Math in 30 Days
– ASVAB Math Workbook 2018 – 2019
– Effortless Math Education Workbooks
– and many more Mathematics books …

Reza is also an experienced Math instructor and a test–prep expert who has been tutoring students since 2008. Reza is the founder of Effortless Math Education, a tutoring company that has helped many students raise their standardized test scores—and attend the colleges of their dreams. Reza provides an individualized custom learning plan and the personalized attention that makes a difference in how students view math.

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Chapter 1: Whole Number Operations

Topics that you'll learn in this chapter:

- ✓ Adding Whole Numbers
- ✓ Subtracting Whole Numbers
- ✓ Dividing Whole Numbers
- ✓ Multiplying Whole Numbers
- ✓ Rounding Whole Numbers
- ✓ Whole Number Estimation

Adding Whole Numbers

Helpful Hints

1– Line up the numbers.

2– Start with the unit place. (ones place)

3– Regroup if necessary.

4– Add the tens place.

5– Continue with other digits.

Example:

$$\begin{array}{r} 1,349 \\ +2,411 \\ \hline 3,760 \end{array}$$

Add.

1) $\begin{array}{r} 1,158 \\ +\ 6,687 \\ \hline \end{array}$

2) $\begin{array}{r} 5,188 \\ +\ 1,298 \\ \hline \end{array}$

3) $\begin{array}{r} 5,756 \\ +\ 2,712 \\ \hline \end{array}$

4) $\begin{array}{r} 3,239 \\ +2,562 \\ \hline \end{array}$

5) $\begin{array}{r} 4,257 \\ +5,194 \\ \hline \end{array}$

6) $\begin{array}{r} 6,215 \\ +2,189 \\ \hline \end{array}$

Find the missing numbers.

7) 1145 + ___ = 1276

8) 500 + 1000 = ___

9) 3200 + ___ = 4300

10) 455 + ___ = 1755

11) ___ + 720 = 1250

12) ___ + 670 = 2230

13) David sells gems. He finds a diamond in Istanbul and buys it for $3,433. Then, he flies to Cairo and purchases a bigger diamond for the bargain price of $5,922. How much does David spend on the two diamonds? _____

Subtracting Whole Numbers

Helpful Hints

1– Line up the numbers.

2– Start with the units place. (ones place)

3– Regroup if necessary.

4– Subtract the tens place.

5– Continue with other digits.

Example:

$$\begin{array}{r} 5{,}397 \\ -\ 2{,}416 \\ \hline 2{,}981 \end{array}$$

Subtract.

1) $\begin{array}{r} 8{,}519 \\ -\ 5{,}422 \\ \hline \end{array}$

2) $\begin{array}{r} 6{,}222 \\ -\ 4{,}331 \\ \hline \end{array}$

3) $\begin{array}{r} 7{,}821 \\ -\ 3{,}212 \\ \hline \end{array}$

4) $\begin{array}{r} 8{,}756 \\ -\ 6{,}712 \\ \hline \end{array}$

5) $\begin{array}{r} 9{,}290 \\ -\ 3{,}829 \\ \hline \end{array}$

6) $\begin{array}{r} 5{,}117 \\ -4{,}216 \\ \hline \end{array}$

Find the missing number.

7) 2223 – ___ = 1120

8) 3574 – ___ = 2245

9) 1124 – 578 = ___

10) 2300 – ___ = 1250

11) 3780 – 1890 = ___

12) 2880 – 2560 = ___

13) Jackson had $3,963 invested in the stock market until he lost $2,171 on those investments. How much money does he have in the stock market now?

Dividing Whole Numbers

Helpful Hints

– A typical division problem:

Dividend ÷ Divisor = Quotient

Example:

18,000 ÷ 90 = 200

– In division, we want to find how many times a number (divisor) is contained in another number (dividend).

– The result in a division problem is the quotient.

Find answers.

1) 500 ÷ 100
2) 4000 ÷ 400
3) 1, 500 ÷ 500
4) 1, 800 ÷ 300
5) 2, 700 ÷ 900
6) 800 ÷ 200
7) 1, 400 ÷ 200
8) 2, 500 ÷ 500
9) 4, 800 ÷ 600
10) 9000 ÷ 200
11) 3, 600 ÷ 600
12) 3, 000 ÷ 500
13) 1000 ÷ 200
14) 4, 500 ÷ 900
15) 1, 200 ÷ 600
16) 6, 000 ÷ 200
17) 9, 000 ÷ 300
18) 2, 800 ÷ 400

Multiplying Whole Numbers

Helpful Hints

– Learn the times tables first!

– For multiplication, line up the numbers you are multiplying.

– Start with the ones place.

– Continue with other digits

Example:

200 × 90 = 18,000

Find the answers.

1) 2400 × 13 = _____

2) 1200 × 10 = _____

3) 3120 × 9 = _____

4) 4000 × 4 = _____

5) 2500 × 5 = _____

6) 3200 × 25 = _____

7) 4178 × 34 = _____

8) 9256 × 26 = _____

9) 3191 × 78 = _____

10) 4200 × 12 = _____

11) 6800 × 10 = _____

12) 8000 × 55 = _____

Rounding Whole Numbers

Helpful Hints	– Rounding is putting a number up or down to the nearest whole number or the nearest hundred, etc.	**Example:** 64 rounded to the nearest ten is 60, because 64 is closer to 60 than to 70.

Round each number to the underlined place value.

1) 1$\underline{9}$72
2) 2,$\underline{9}$95
3) 33$\underline{6}$4
4) 12$\underline{8}$1
5) 23$\underline{5}$5
6) 13$\underline{3}$4
7) 1,$\underline{2}$03
8) 14$\underline{5}$7
9) 7$\underline{4}$84
10) 19$\underline{1}$4
11) 42$\underline{3}$9
12) $\underline{9}$,123
13) 3,4$\underline{5}$2
14) 2$\underline{5}$69
15) 1,$\underline{2}$30
16) 7$\underline{6}$98
17) 92$\underline{9}$3
18) 52$\underline{3}$7
19) 24$\underline{9}$3
20) 2,$\underline{9}$23
21) $\underline{9}$,845
22) 45$\underline{5}$5
23) 6$\underline{9}$39
24) 98$\underline{6}$9