STAAR Mathematics Workbook For Grade 4

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

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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 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 pass 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 pass 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 you can focus on the topics you 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
– GED 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: Place Vales and Number Sense

Topics that you'll learn in this chapter:

- ✓ Place Values
- ✓ Compare Numbers
- ✓ Numbers in Numbers
- ✓ Roman Numerals
- ✓ Rounding
- ✓ Odd or Even
- ✓ Inequalities with Number Lines

Place Values

Helpful Hints

The value of the place, or position, of a digit in a number.
For the number 3,684.26

Decimal Place Value Chart

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	Decimal point	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred thousandths	Millionths
			3	6	8	4	.	2	6				

Example:
In 456, the 5 is in "tens" position.

Write numbers in expanded form.

1) Thirty–five 30 + 5

2) Sixty–seven ___ + ___

3) Forty–two ___ + ___

4) Eighty–nine ___ + ___

5) Ninety–one ___ + ___

Circle the correct choice.

6) The 2 in 72 is in the ones place tens place hundreds place

7) The 6 in 65 is in the ones place tens place hundreds place

8) The 2 in 342 is in the ones place tens place hundreds place

9) The 5 in 450 is in the ones place tens place hundreds place

10) The 3 in 321 is in the ones place tens place hundreds place

Comparing and Ordering Numbers

Helpful Hints	**Comparing:** Equal to = Less than < Greater than >> Greater than or equal ≥ Less than or equal ≤	To compare numbers, you can use number line! As you move from left to right on the number line, you find a bigger number!	**Example:** 56 > 35 Order integers from least to greatest. (– 11, – 13, 7, – 2, 12) – 13 <– 11< – 2 < 7 <12

Use less than, equal to or greater than.

1) 23 _____ 34
2) 89 _____ 98
3) 45 _____ 25
4) 34 _____ 32
5) 91 _____ 91
6) 57 _____ 55
7) 85 _____ 78
8) 56 _____ 43
9) 34 _____ 34
10) 92 _____ 98
11) 38 _____ 46
12) 67 _____ 58
13) 88 _____ 69
14) 23 _____ 34

Order each set numbers from least to greatest.

15) – 15, – 19, 20, – 4, 1 ___, ___, ___, ___, ___, ___
16) 6, – 5, 4, – 3, 2 ___, ___, ___, ___, ___, ___
17) 15, – 42, 19, 0, – 22 ___, ___, ___, ___, ___, ___
18) 26, – 91, 0, – 13, 67, – 55 ___, ___, ___, ___, ___, ___
19) – 17, – 71, 90, – 25, – 54, – 39 ___, ___, ___, ___, ___, ___
20) 98, 5, 46, 19, 77, 24 ___, ___, ___, ___, ___, ___

Write Numbers in Words

Helpful Hints

- First, learn to write numbers from 1 to 9.
1 = one, 2 = two, 3 = three, 4 = four, 5 = five,
6 = six, 7 = seven, 8 = eight, 9 = nine
- Learn how to write numbers from 10 to 100. For example: 16 = sixteen, 50 = fifty, 89 = eighty-nine
- Learn how to combine words to write more numbers.
For example: 120 is written as: one hundred twenty

Write each number in words.

1) 434 _____

2) 809 _____

3) 730 _____

4) 272 _____

5) 266 _____

6) 902 _____

7) 1,418 _____

8) 1,365 _____

9) 3,374 _____

10) 2,486 _____

11) 7,671 _____

12) 6,290 _____

13) 3,147 _____

14) 5,012 _____

Roman Numerals

Helpful Hints

1	I	11	XI	21	XXI
2	II	12	XII	22	XXII
3	III	13	XIII	23	XXIII
4	IV	14	XIV	24	XXIV
5	V	15	XV	25	XXV
6	VI	16	XVI	26	XXVI
7	VII	17	XVII	27	XXVII
8	VIII	18	XVIII	28	XXVIII
9	IX	19	XIX	29	XXIX
10	X	20	XX	30	XXX

Write in Romans numerals.

1) 2 _____

2) 6 _____

3) 4 _____

4) 9 _____

5) 10 _____

6) 7 _____

7) 3 _____

8) 1 _____

9) 5 _____

10) 8 _____

11) Add 7 + 2 and write in Roman numerals. _____

12) Add 6 + 5 and write in Roman numerals. _____

13) Subtract 12 – 6 and write in Roman numerals. _____

14) Subtract 20 – 8 and write in Roman numerals. _____

Rounding 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