2018 - 2019

Grade 5

PARCC

Math Workbook

A Comprehensive Review and Step-by-Step Guide to Preparing for the PARCC Test

- Targeted, skill-building practices
- Step-by-Step guide for all Math topics
- 2 Complete PARCC Practice Tests

Reza Nazari & Ava Ross

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By

Reza Nazari

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Reza Nazari & Ava Ross

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Description

Grade 5 PARCC Mathematics Workbook is full of specific and detailed material that will be key to succeeding on the PARCC Math. It's filled with the critical math concepts a student will need in order to do well on 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.

This comprehensive Math workbook brings together everything a student needs to know for the PARCC Math section. It is designed to address the needs of PARCC test takers who must have a working knowledge of basic Math. It contains most common sample questions that are most likely to appear in the mathematics section of the PARCC. This book leaves no stones unturned!

PARCC Mathematics Workbook with over 2,500 sample questions and 2 complete PARCC tests is all a student needs to fully prepare for the PARCC Math. It will help the student learns everything they need to ace the math section of the PARCC.

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

Inside the pages of this comprehensive book, 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
- Step–by–step guide for all Math topics
- Targeted, skill–building practices
- A fun, interactive and concrete learning process
- 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 PARCC Math Practice Tests that reflect the format and question types on PARCC

PARCC Mathematics Workbook is the ideal prep solution for any student who wants to prepare for the PARCC test. It efficiently and effectively reinforces learning outcomes through engaging questions and repeated practice, helping students to quickly master basic Math skills.

Effortless Math books have helped thousands of students prepare for standardized tests and achieve their education and career goals. This is done by setting high standards and preparing the best quality Mathematics learning books, and this book is no exception. It is the perfect study aid for the PARCC Math test. The student will definitely be well prepared for the test with this comprehensive workbook!



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.

To ask questions about Math, you can contact Reza via email at:
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Contents

Description 2
Place Values 9
Comparing and Ordering Numbers 10
Roman Numerals 11
Rounding Numbers 12
Odd or Even 13
Add Whole Numbers 14
Subtract Whole Numbers 15
Whole Number Estimation 16
Multiplying Whole Numbers 17
Dividing Whole Numbers 18
Factoring Numbers 19
Prime Factorization 20
Divisibility Rules 21
Greatest Common Factor 22
Least Common Multiple 23
Adding and Subtracting Decimals 24
Multiplying and Dividing Decimals 25
Order and Comparing Decimals 26
Round decimals 27
Converting Between Fractions, Decimals and Mixed Numbers 28
Money Subtraction 29
Money: Word Problems 30
Add Fractions with Like Denominators 31
Subtract Fractions with Like Denominators 32
Add and Subtract Fractions with Like Denominators 33
Compare Sums and Differences of Fractions with Like Denominators 34
Add 3 or More Fractions with Like Denominators 35
Simplifying Fractions 36
Add fractions with unlike denominators 37

Subtract fractions with unlike denominators 38
Add fractions with denominators of 10 and 100 39
Add and subtract fractions with denominators of 10, 100, and 1000 40
Fractions to Mixed Numbers 41
Mixed Numbers to Fractions 42
Add and Subtract Mixed Numbers with Like Denominators 43
Order of Operations 44
Simplifying Ratios 45
Proportional Ratios 46
Ratio and Rates Word Problems 47
Similar Figure Word Problems (Scale drawings: word problems) 48
Patterns: Numbers 49
Patterns 50
Graph Points on a Coordinate Plane 51
Evaluating Variable 52
Solve Equations 53
Bar Graph 54
Tally and Pictographs 55
Line Graphs 56
The Pie Graph or Circle Graph 57
Mean, Median, Mode, and Range of the Given Data 58
Telling Time 59
Measurement – Time 60
Measurement – Metric System 61
Measurement – Length 62
Measurement – Temperature 63
Measurement – Volume 64
Line Segments 65
Identify lines of symmetry 66
Count lines of symmetry 67
Parallel, Perpendicular and Intersecting Lines 68

Identify Three–Dimensional Figures 69
Count Vertices, Edges, and Faces 70
Identify Faces of Three–Dimensional Figures 71
Identifying Angles: Acute, Right, Obtuse, and Straight Angles 72
Measure Angles with a Protractor 73
Estimate Angle Measurements 74
Polygon Names 75
Classifying Triangles 76
Parallel Sides in Quadrilaterals 77
Identify Parallelograms 78
Identify Trapezoids 79
Identify Rectangles 80
Perimeter: Find the Missing Side Lengths 81
Perimeter and Area of Squares 82
Perimeter and Area of rectangles 83
Find the Area or Missing Side Length of a Rectangle 84
Area and Perimeter: Word Problems 85
Calculate Radius, Diameter, and Circumference 86
PARCC Practice Test 1 88
PARCC Practice Test 2 115
PARCC Practice Tests Answer keys 142
Answers of Worksheets 143

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" place.

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

Use less than, equal to or greater than.

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

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 ___, ___, ___, ___, ___, ___

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. _____

15) Subtract 16 – 9 and write in Roman numerals. _____

16) Add 10 + 10 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) 9̲72
2) 2,9̲95
3) 3̲64
4) 8̲1
5) 5̲5
6) 3̲34
7) 1,2̲03
8) 9.5̲7
9) 7.4̲84
10) 9.1̲4
11) 3̲9
12) 9̲,123
13) 3,45̲2
14) 5̲69
15) 1,2̲30
16) 9̲8
17) 9̲3
18) 3̲7
19) 49̲3
20) 2,9̲23
21) 9̲,845
22) 55̲5
23) 9̲39
24) 6̲9

Odd or Even

Helpful Hints

Even: Any integer that can be divided exactly by 2 is an even number.
Odd: Any integer that cannot be divided exactly by 2 is an odd number.

Example:
–3, 1, 7 are all odd numbers

– 12, 0, 8 are all even numbers

Identify whether each number is even or odd.

1) 12 _____
2) 7 _____
3) 33 _____
4) 18 _____
5) 99 _____
6) 55 _____
7) 34 _____
8) 87 _____
9) 94 _____
10) 14 _____
11) 22 _____
12) 79 _____

Circle the <u>even</u> number in each group.

13) 22, 11, 57, 13, 19, 47
14) 15, 17, 27, 23, 33, 26
15) 19, 35, 24, 57, 65, 49
16) 67, 58, 89, 63, 27, 63

Circle the <u>odd</u> number in each group.

17) 12, 14, 22, 64, 53, 98
18) 16, 26, 28, 44, 62, 73
19) 46, 82, 63, 98, 64, 56
20) 27, 92, 58, 36, 38, 72

Add Whole Numbers

Helpful Hints

1– Line up the numbers.
2– Start with the 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) $\begin{array}{r} 1,158 \\ +\ 6,687 \\ \hline \end{array}$

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

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

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

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

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?

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

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

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

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

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

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?

Whole Number Estimation

Helpful Hints

– To estimate means to make a rough guess or calculation.
– To round means to simplify a number by scaling it slightly up or down.

Example:

73 + 69 ≈ 140

Estimate the sum by rounding each added to the nearest ten.

1) 582 + 277

2) 2771 + 1651

3) 7436 + 3575

4) 1542 + 8738

5) 3843 + 6579

6) 4722 + 8186

7) 2419 + 7224

8) 6768 + 3169

9) $\begin{array}{r} 4{,}694 \\ +\ 7{,}359 \\ \hline \end{array}$

10) $\begin{array}{r} 9{,}622 \\ +\ 6{,}114 \\ \hline \end{array}$

11) $\begin{array}{r} 1{,}278 \\ +\ 5{,}313 \\ \hline \end{array}$

12) $\begin{array}{r} 8{,}259 \\ +\ 7{,}229 \\ \hline \end{array}$