2018 - 2019

Grade 6

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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Grade 6 PARCC Mathematics Workbook 2018 – 2019

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

By

Reza Nazari

& Ava Ross

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Description

Grade 6 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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Chapter 1: Whole Number Operations

1–1 Adding Whole Numbers

1–2 Subtracting Whole Numbers

1–3 Dividing Whole Numbers

1–4 Multiplying Whole Numbers

1–5 Rounding whole numbers

1–6 Whole number estimation

1–1 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? _____

1–2 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) $\begin{array}{r} 8{,}519 \\ -\ 5{,}422 \\ \hline \end{array}$

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?

1–3 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

1–4 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) $2400 \times 13 =$ _____

2) $1200 \times 10 =$ _____

3) $3120 \times 9 =$ _____

4) $4000 \times 4 =$ _____

5) $2500 \times 5 =$ _____

6) $3200 \times 25 =$ _____

7) $4178 \times 34 =$ _____

8) $9256 \times 26 =$ _____

9) $3191 \times 78 =$ _____

10) $4200 \times 12 =$ _____

11) $6800 \times 10 =$ _____

12) $8000 \times 55 =$ _____

1–5 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) 19̲72
2) 2,9̲95
3) 33̲64
4) 12̲81
5) 23̲55
6) 13̲34
7) 1,2̲03
8) 14̲57
9) 74̲84
10) 19̲14
11) 42̲39
12) 9̲,123
13) 3,45̲2
14) 25̲69
15) 1,2̲30
16) 76̲98
17) 92̲93
18) 52̲37
19) 24̲93
20) 2,9̲23
21) 9̲,845
22) 45̲55
23) 69̲39
24) 98̲69

1–6 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) $\begin{array}{r} 8{,}259 \\ +\ 7{,}229 \\ \hline \end{array}$

Answers of Worksheets – Chapter 1

1–1 Adding Whole Numbers

1) 7,845
2) 6,486
3) 8,468
4) 5,801
5) 9,451
6) 8,404
7) 131
8) 1500
9) 1,100
10) 1300
11) 530
12) 1,560
13) $9,355

1–2 Subtracting Whole Numbers

1) 3,097
2) 1,891
3) 4,609
4) 2,044
5) 5,461
6) 901
7) 1,103
8) 1,329
9) 546
10) 1,050
11) 1,890
12) 320
13) 1,792

1–3 Dividing Whole Numbers

1) 5
2) 10
3) 3
4) 6
5) 3
6) 4
7) 7
8) 5
9) 8
10) 45
11) 6
12) 6
13) 5
14) 5
15) 2
16) 30
17) 30
18) 7

1–4 Multiplying Whole Numbers

1) 31,200
2) 12,000
3) 28,080
4) 16,000
5) 12,500
6) 80,000
7) 142,052
8) 240,656
9) 248,898
10) 50,400
11) 68,000
12) 440,000