Georgia Milestones Assessment System Mathematics Workbook For Grade 3

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

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

2 Complete GMAS Math Practice Tests

Reza Nazari
&
Ava Ross

Let's Keep in Touch

Follow Us Online

Visit US at

www.EffortlessMath.com

https://www.facebook.com/Effortlessmath

https://goo.gl/2B6qWW

Online Math Lessons

It's easy! Here's how it works.

1- Request a FREE introductory session.

2- Meet a Math tutor online.

3- Start Learning Math in Minutes.

Send Email to: info@EffortlessMath.com

www.EffortlessMath.com

… So Much More Online!

- FREE Math lessons
- More Math learning books!
- Mathematics Worksheets
- Online Math Tutors

Need a PDF format of this book?

Send Email to: info@EffortlessMath.com

Georgia Milestones Assessment System Mathematics Workbook for Grade 3

Step-By-Step Guide to Preparing for the

GMAS Math Test 2019

By

Reza Nazari

& Ava Ross

Copyright © 2018

Reza Nazari & Ava Ross

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning, or otherwise, except as permitted under Section 107 or 108 of the 1976 United States Copyright Ac, without permission of the author.

All inquiries should be addressed to:

info@effortlessMath.com

www.EffortlessMath.com

ISBN-13: 978-1727251869

ISBN-10: 1727251865

Published by: Effortless Math Education

www.EffortlessMath.com

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 Georgia Milestones Assessment System Mathematics FAST and EFFECTIVELY.

Georgia Milestones Assessment System Mathematics Workbook is full of specific and detailed material that will be key to succeeding on the GMAS 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.

Georgia Milestones Assessment System Math Workbook helps your student to focus on all Math topics that students will need to pass the GMAS Math test. This book with 2 complete GMAS tests is all your student will ever need to fully prepare for the GMAS Math.

This workbook includes practice test questions. It contains easy–to–read essential summaries that highlight the key areas of the GMAS Math test. Effortless Math test study guide reviews the most important components of the GMAS Math test. Anyone planning to take the GMAS 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 GMAS Math Practice Tests that reflect the format and question types on GMAS

GMAS 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 GMAS Math tests are provided at the back of the book to refine your student's Math skills.

GMAS 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
– ASVAB Math in 30 Days
– AFOQT 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.

You can contact Reza via email at:
reza@EffortlessMath.com

Find Reza's professional profile at:
goo.gl/zoC9rJ

Contents

Description 7
Chapter 1: Numbers, Comparing and Patterns 13
Odd or Even 14
Number Sequences 15
Roman Numerals 16
Write Numbers in Words 17
Comparing and Ordering Numbers 18
Repeating Pattern 19
Growing Patterns 20
Place Values 21
Ordinal Numbers 22
Answers of Worksheets – Chapter 1 23
Chapter 2: Adding and Subtracting 27
Adding Two–Digit Numbers 28
Subtracting Two–Digit Numbers 29
Adding Three–Digit Numbers 30
Adding Hundreds 31
Adding 4–Digit Numbers 32
Subtracting 4–Digit Numbers 33
Answers of Worksheets – Chapter 2 34
Chapter 3: Multiplication and Division 36
Multiplication by 0, 1, 2, and 3 37
Multiplication by 4, 5, 6 38
Multiplication by 7, 8, 9 39
Multiplication by 10, 11, 12 40
Division by 0, 1, 2, 3 41
Division by 4, 5, 6 42
Division by 7, 8, 9 43
Division by 10, 11, 12 44
Dividing by Tens 45
Divide 3–Digit Numbers by 1-Digit Numbers 46

Multiply 1digit by 3–Digit Numbers 47
Answers of Worksheets – Chapter 3 48
Chapter 3: Data and Graphs 51
Bar Graph 52
Tally and Pictographs 53
Line Graphs 54
Answers of Worksheets – Chapter 3 56
Chapter 4: Spatial sense, Estimation and rounding 58
Rounding Numbers 59
Estimate Sums 60
Estimate Differences 61
Estimate Products 62
Missing Numbers 63
Answers of Worksheets – Chapter 4 65
Chapter 5: Money 67
Add Money Amounts 68
Subtract Money Amounts 69
Money: Word Problems 70
Answers of Worksheets – Chapter 5 71
Chapter 6: Time and Calendars 72
Read Clocks 73
Telling Time 74
Digital Clock 75
Measurement – Time 76
Calendars 77
Answers of Worksheets – Chapter 6 78
Chapter 7: Measurement 79
Metric System 80
Length 81
Temperature 82
Liters & Milliliters 83
Kilograms & Grams 84

Answers of Worksheets – Chapter 7 85
Chapter 8: Geometric 87
Identifying Angles: Acute, Right, Obtuse, and Straight Angles 88
Polygon Names 89
Classify Triangles 90
Parallel Sides in Quadrilaterals 91
Identify Rectangles 92
Perimeter: Find the Missing Side Lengths 93
Perimeter and Area of Squares 94
Perimeter and Area of rectangles 95
Area and Perimeter: Word Problems 96
Area of Squares and Rectangles 97
Answers of Worksheets – Chapter 11 99
Chapter 9: Fractions 101
Fractions 102
Fractions of a Number 103
Order Fractions 104
Simplifying Fractions 105
Improper Fraction 106
Comparing Fractions 107
Missing Denominator or Numerator 108
Answers of Worksheets – Chapter 9 110
Georgia Milestones Assessment System Mathematics Practice Tests 114
Georgia Milestones Assessment System Practice Test 1 116
Georgia Milestones Assessment System Practice Test 2 133
GMAS Practice Tests Answers and Explanations 149

Chapter 1: Numbers, Comparing and Patterns

Topics that you'll learn in this chapter:

- ✓ Odd or Even
- ✓ Number Sequences
- ✓ Roman Numerals
- ✓ Word Names for Numbers
- ✓ Comparing and Ordering Numbers
- ✓ Repeating Pattern
- ✓ Growing Patterns
- ✓ Place Values
- ✓ Ordinal Numbers

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 even 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 odd 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

Number Sequences

Helpful Hints

- A pattern is a group of numbers or objects that follow a rule.
- There is a rule in any pattern for repeating and changing.

Example:

Write the next three numbers in each counting sequence.

1) –32, –23, –14, _____, _____, _____, _____

2) 543, 528, 513, _____, _____, _____, _____

3) _____, _____, 56, 64, _____, 80

4) 23, 34, _____, _____, 67, _____

5) 24, 31, _____, _____, _____

6) 52, 45, _____ , _____, _____

7) 51, 44, 37, _____ , _____ , _____

8) 64, 51, 38, _____ , _____ , _____

9) What are the next three numbers in this counting sequence?

1350, 1550, 1750, _____, _____, _____

10) What is the seventh number in this counting sequence?

7, 16, 25, _____

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. _____

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 _____

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 ___, ___, ___, ___, ___, ___

Repeating Pattern

Helpful Hints

- Look for a relationship between two shapes in a row.
- After finding the rule, check the pattern for all other shapes.
- Use the rule to find next shapes.

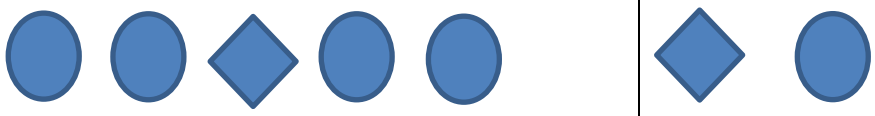
Example:

Circle the picture that comes next in each picture pattern.

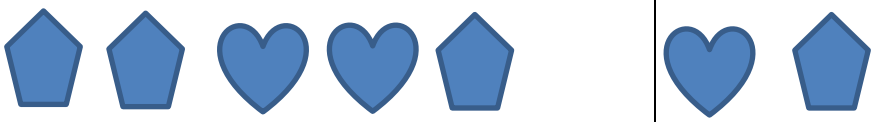
1)



2)



3)



4)

