Effortless Math Education

# 7th Grade FSA Math Workbook 2018

## The Most Comprehensive Review for the Math Section of the FSA TEST

- Math topics are grouped by category, so the 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 FSA Math Practice Tests that reflect the format and question types on FSA

*Reza Nazari & Ava Ross*

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***The Most Comprehensive Review for the Math Section of the FSA TEST***

**By**

Reza Nazari

& Ava Ross

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Reza Nazari & Ava Ross

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## Description

***Effortless Math FSA Workbook*** provides students with the confidence and math skills they need to succeed on the FSA Math, providing a solid foundation of basic Math topics with abundant exercises for each topic. It is designed to address the needs of FSA test takers who must have a working knowledge of basic Math.

***This comprehensive workbook*** with over 2,500 sample questions and 2 complete 7th Grade FSA tests is all your student needs to fully prepare for the FSA Math. It will help your student learns everything they need to ace the math section of the FSA.

**There are more than 2,500 Math problems with answers in this book.**
Effortless Math unique study program provides your student with an in-depth focus on the math portion of the exam, helping them master the math skills that students find the most troublesome.
This workbook contains most common sample questions that are most likely to appear in the mathematics section of the FSA.

Inside the pages of this comprehensive 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
- Fun exercises that build confidence
- Math topics are grouped by category, so the 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 FSA Math Practice Tests that reflect the format and question types on FSA

*Effortless Math FSA Workbook* is an incredibly useful tool for those who want to review all topics being covered on the FSA test. It efficiently and effectively reinforces learning outcomes through engaging questions and repeated practice, helping students to quickly master basic Math skills.



**About the Author**

**Reza Nazari** is the author of more than 50 Math learning books including:

**- Math for Super Smart Students:** Fifth Graders and Older by Reza Nazari

**- Math and Critical Thinking Challenges:** For the Middle and High School Student

**- Effortless Math Education Workbooks**

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
Chapter 1: Arithmetic and Number Theory ..... 10
1–1 Simplifying Fractions ..... 11
1–2 Adding and Subtracting Fractions ..... 12
1–3 Multiplying and Dividing Fractions ..... 13
1–4 Adding and Subtracting Mixed Numbers ..... 14
1–5 Multiplying and Dividing Mixed Numbers ..... 15
1–6 Adding and Subtracting Decimals ..... 16
1–7 Multiplying and Dividing Decimals ..... 17
1–8 Converting Between Fractions, Decimals and Mixed Numbers ..... 18
1–9 Rounding Numbers ..... 19
1–10 Factoring Numbers ..... 20
1–11 Prime Factorization ..... 21
1–12 Greatest Common Factor ..... 22
1–13 Least Common Multiple ..... 23
1–14 Divisibility Rules ..... 24
Answers of Worksheets – Chapter 1 ..... 25
Chapter 2: Real Numbers and Integers ..... 32
2–1 Adding and Subtracting Integers ..... 33
2–2 Multiplying and Dividing Integers ..... 34
2–3 Ordering Integers and Numbers ..... 35
2–4 Arrange, Order, and Comparing Integers ..... 36
2–5 Order of Operations ..... 37
2–6 Mixed Integer Computations ..... 38
2–7 Absolute Value ..... 39
2–8 Integers and Absolute Value ..... 40
2–9 Classifying Real Numbers Venn Diagram ..... 41

Answers of Worksheets – Chapter 2 ..... 42
Chapter 3: Proportions and Ratios ..... 45
3–1 Writing Ratios ..... 46
3–2 Simplifying Ratios ..... 47
3–3 Proportional Ratios ..... 48
3–4 Create a Proportion ..... 49
3–5 Similar Figures ..... 50
3–6 Similar Figure Word Problems ..... 51
3–7 Complete the Ratio Table ..... 52
3–8 Ratio and Rates Word Problems ..... 53
Answers of Worksheets – Chapter 3 ..... 54
Chapter 4: Percent ..... 57
4–1 Converting Between Percent, Fractions, and Decimals ..... 58
4–2 Table of Common Percent ..... 59
4–3 Percentage Calculations ..... 60
4–4 Find What Percentage a Number Is of Another ..... 61
4–5 Find a Percentage of a Given Number ..... 62
4–6 Percent Problems ..... 63
4–7 Percent of Increase and Decrease ..... 64
4–8 Markup, Discount, and Tax ..... 65
Answers of Worksheets – Chapter 4 ..... 66
Chapter 5: Algebraic Expressions ..... 70
5–1 Expressions and Variables ..... 71
5–2 Simplifying Variable Expressions ..... 72
5–3 The Distributive Property ..... 73
5–4 Translate Phrases into an Algebraic Statement ..... 74
5–5 Evaluating One Variable ..... 75
5–6 Evaluating Two Variables ..... 76

5–7 Combining like Terms....77
5–8 Simplifying Polynomial Expressions....78
Answers of Worksheets – Chapter 5....79
Chapter 6: Equations....82
6–1 One–Step Equations....83
6–2 One–Step Equation Word Problems....84
6–3 Two–Step Equations....85
6–4 Two–Step Equation Word Problems....86
6–5 Multi–Step Equations....87
Answers of Worksheets – Chapter 6....88
Chapter 7: Systems of Equations....90
7–1 Solving Systems of Equations by Graphing....91
7–2 Solving Systems of Equations by Substitution....92
7–3 Solving Systems of Equations by Elimination....93
7–4 Systems of Equations Word Problems....94
Answers of Worksheets – Chapter 7....95
Chapter 8: Inequalities....97
8–1 Graphing Single – Variable Inequalities....98
8–2 One–Step Inequalities....99
8–3 Two–Step Inequalities....100
8–4 Multi–Step Inequalities....101
Answers of Worksheets – Chapter 8....102
Chapter 9: Linear Functions....105
9–1 Finding Slope....106
9–2 Graphing Lines Using Slope–Intercept Form....107
9–3 Graphing Lines Using Standard Form....108
9–4 Writing Linear Equations....109
9–5 Graphing Linear Inequalities....110

Answers of Worksheets – Chapter 9 ..... 111
Chapter 10: Exponents and Radicals ..... 116
10–1 Multiplication Property of Exponents ..... 117
10–2 Division Property of Exponents ..... 118
10–3 Powers of Products and Quotients ..... 119
10–4 Zero and Negative Exponents ..... 120
10–5 Negative Exponents and Negative Bases ..... 121
10–6 Writing Scientific Notation ..... 122
10–7 Square Roots ..... 123
Answers of Worksheets – Chapter 10 ..... 124
Chapter 11: Plane Figures ..... 127
11–1 Transformations: Translations, Rotations, and Reflections ..... 128
11–2 The Pythagorean Theorem ..... 129
11–3 Classifying Triangles and Quadrilaterals ..... 130
11–4 Area of Triangles ..... 131
11–5 Perimeter of Polygons ..... 132
11–6 Area and Circumference of Circles ..... 133
11–7 Area of Squares, Rectangles, and Parallelograms ..... 134
11–8 Area of Trapezoids ..... 135
Answers of Worksheets – Chapter 11 ..... 136
Chapter 12: Solid Figures ..... 139
12–1 Classifying Solids ..... 140
12–2 Volume of Cubes and Rectangle Prisms ..... 141
12–3 Surface Area of Cubes ..... 142
12–4 Surface Area of a Prism ..... 143
Answers of Worksheets – Chapter 12 ..... 144
Chapter 13: Statistics ..... 145
13–1 Mean, Median, Mode, and Range of the Given Data ..... 146

13–2 First Quartile, Second Quartile and Third Quartile of the Given Data ..... 147
13–3 Bar Graph ..... 148
13–4 Box and Whisker Plots ..... 149
13–5 Stem–And–Leaf Plot ..... 150
13–6 The Pie Graph or Circle Graph ..... 151
13–7 Scatter Plots ..... 152
Answers of Worksheets – Chapter 13 ..... 153
All Mathematics Formulas a $7^{th}$ grade student Must Know! ..... 157
Mathematics Formula Sheet ..... 158
FSA Practice Test 1 ..... 175
FSA Practice Test 2 ..... 194
FSA Practice Tests Answer keys ..... 216

## Chapter 1: Arithmetic and Number Theory

1–1 Simplifying Fractions

1–2 Adding and Subtracting Fractions

1–3 Multiplying and Dividing Fractions

1–4 Adding and Subtracting Mixed Numbers

1–5 Multiplying and Dividing Mixed Numbers

1–6 Adding and Subtracting Decimals

1–7 Multiplying and Dividing Decimals

1–8 Converting Between Fractions, Decimals and Mixed Numbers

1–9 Rounding Numbers

1–10 Factoring Numbers

1–11 Prime Factorization

1–12 Greatest Common Factor

1–13 Least Common Multiple

1–14 Divisibility Rules

## 1–1 Simplifying Fractions

**Simplify the fractions.**

1) $\frac{22}{36}$

2) $\frac{8}{10}$

3) $\frac{12}{18}$

4) $\frac{6}{8}$

5) $\frac{13}{39}$

6) $\frac{5}{20}$

7) $\frac{16}{36}$

8) $\frac{18}{36}$

9) $\frac{20}{50}$

10) $\frac{6}{54}$

11) $\frac{45}{81}$

12) $\frac{21}{28}$

13) $\frac{35}{56}$

14) $\frac{52}{64}$

15) $\frac{13}{65}$

16) $\frac{44}{77}$

17) $\frac{21}{42}$

18) $\frac{15}{36}$

19) $\frac{9}{24}$

20) $\frac{20}{80}$

21) $\frac{25}{45}$

## 1–2 Adding and Subtracting Fractions

**Add fractions.**

1) $\frac{2}{3}+\frac{1}{2}$

2) $\frac{3}{5}+\frac{1}{3}$

3) $\frac{5}{6}+\frac{1}{2}$

4) $\frac{7}{4}+\frac{5}{9}$

5) $\frac{2}{5}+\frac{1}{5}$

6) $\frac{3}{7}+\frac{1}{2}$

7) $\frac{3}{4}+\frac{2}{5}$

8) $\frac{2}{3}+\frac{1}{5}$

9) $\frac{16}{25}+\frac{3}{5}$

**Subtract fractions.**

10) $\frac{4}{5}-\frac{2}{5}$

11) $\frac{3}{5}-\frac{2}{7}$

12) $\frac{1}{2}-\frac{1}{3}$

13) $\frac{8}{9}-\frac{3}{5}$

14) $\frac{3}{7}-\frac{3}{14}$

15) $\frac{4}{15}-\frac{1}{10}$

16) $\frac{3}{4}-\frac{13}{18}$

17) $\frac{5}{8}-\frac{2}{5}$

18) $\frac{1}{2}-\frac{1}{9}$

## 1–3 Multiplying and Dividing Fractions

**Multiplying fractions. Then simplify.**

1) $\frac{1}{5} \times \frac{2}{3}$

2) $\frac{3}{4} \times \frac{2}{3}$

3) $\frac{2}{5} \times \frac{3}{7}$

4) $\frac{3}{8} \times \frac{1}{3}$

5) $\frac{3}{5} \times \frac{2}{5}$

6) $\frac{7}{9} \times \frac{1}{3}$

7) $\frac{2}{3} \times \frac{3}{8}$

8) $\frac{1}{4} \times \frac{1}{3}$

9) $\frac{5}{7} \times \frac{7}{12}$

**Dividing fractions.**

10) $\frac{2}{9} \div \frac{1}{4}$

11) $\frac{1}{2} \div \frac{1}{3}$

12) $\frac{6}{11} \div \frac{3}{4}$

13) $\frac{11}{14} \div \frac{1}{10}$

14) $\frac{3}{5} \div \frac{5}{9}$

15) $\frac{1}{2} \div \frac{1}{2}$

16) $\frac{3}{5} \div \frac{1}{5}$

17) $\frac{12}{21} \div \frac{3}{7}$

18) $\frac{5}{14} \div \frac{9}{10}$

## 1–4 Adding and Subtracting Mixed Numbers

**Add.**

1) $4\frac{1}{2}+5\frac{1}{2}$

2) $2\frac{3}{8}+3\frac{1}{8}$

3) $5\frac{3}{5}+5\frac{1}{5}$

4) $1\frac{1}{3}+2\frac{2}{3}$

5) $5\frac{1}{6}+5\frac{1}{2}$

6) $3\frac{1}{3}+1\frac{1}{3}$

7) $1\frac{10}{11}+1\frac{1}{3}$

8) $2\frac{3}{6}+1\frac{1}{2}$

9) $5\frac{3}{5}+5\frac{1}{5}$

10) $7+\frac{1}{5}$

11) $1\frac{5}{7}+\frac{1}{3}$

12) $2\ \frac{1}{4}+1\frac{2}{4}$

**Subtract.**

13) $4\frac{1}{2}-\ 3\frac{1}{2}$

14) $3\frac{3}{8}-\ 3\frac{1}{8}$

15) $6\frac{3}{5}-\ 5\frac{1}{5}$

16) $2\frac{1}{3}-\ 1\frac{2}{3}$

17) $6\frac{1}{6}-\ 5\frac{1}{2}$

18) $3\frac{1}{3}-\ 1\frac{1}{3}$

19) $2\frac{10}{11}-\ 1\frac{1}{3}$

20) $2\frac{1}{2}-\ 1\frac{1}{2}$

21) $6\frac{3}{5}-\ 2\frac{1}{5}$

22) $7\frac{2}{5}-1\frac{1}{5}$

23) $2\frac{5}{7}-1\frac{1}{3}$

24) $2\ \frac{1}{4}-\ 1\frac{1}{2}$

## 1–5 Multiplying and Dividing Mixed Numbers

**Find each product.**

1) $1\frac{2}{3} \times 1\frac{1}{4}$

2) $1\frac{3}{5} \times 1\frac{2}{3}$

3) $1\frac{2}{3} \times 3\frac{2}{7}$

4) $4\frac{1}{8} \times 1\frac{2}{5}$

5) $2\frac{2}{5} \times 3\frac{1}{5}$

6) $1\frac{1}{3} \times 1\frac{2}{3}$

7) $1\frac{5}{8} \times 2\frac{1}{2}$

8) $3\frac{2}{5} \times 2\frac{1}{5}$

9) $2\frac{2}{3} \times 4\frac{1}{4}$

10) $2\frac{3}{5} \times 1\frac{2}{4}$

11) $1\frac{1}{3} \times 1\frac{1}{4}$

12) $3\frac{2}{5} \times 1\frac{1}{5}$

**Find each quotient.**

13) $2\frac{1}{5} \div 2\frac{1}{2}$

14) $2\frac{3}{5} \div 1\frac{1}{3}$

15) $3\frac{1}{6} \div 4\frac{2}{3}$

16) $1\frac{2}{3} \div 3\frac{1}{3}$

17) $4\frac{1}{8} \div 2\frac{2}{4}$

18) $3\frac{1}{2} \div 2\frac{3}{5}$

19) $3\frac{5}{9} \div 1\frac{2}{5}$

20) $2\frac{2}{7} \div 1\frac{1}{2}$

21) $3\frac{1}{5} \div 1\frac{1}{2}$

22) $4\frac{3}{5} \div 2\frac{1}{3}$

23) $6\frac{1}{6} \div 1\frac{2}{3}$

24) $2\frac{2}{3} \div 1\frac{1}{3}$

## 1–6 Adding and Subtracting Decimals

**Add and subtract decimals.**

1) $\begin{array}{r} 15.14 \\ -\ 12.18 \\ \hline \end{array}$

2) $\begin{array}{r} 65.72 \\ +\ 43.67 \\ \hline \end{array}$

3) $\begin{array}{r} 82.56 \\ +\ 12.28 \\ \hline \end{array}$

4) $\begin{array}{r} 34.18 \\ -\ 23.45 \\ \hline \end{array}$

5) $\begin{array}{r} 90.37 \\ +\ 56.97 \\ \hline \end{array}$

6) $\begin{array}{r} 45.78 \\ -\ 23.39 \\ \hline \end{array}$

**Solve.**

7) ____ + 1.3 = 4.8

8) 4.2 + ____ = 11.6

9) 9.9 + ____ = 16

10) 6.9 + ____ = 16.4

11) ____ + 5.1 = 8.6

12) ____ + 7.9 = 15.2