

Ged Math Study Guide Printable

GED Math Study Guide 2020 - 2021									
Name:	Date:								
Topic	Adding and Subtracting Fractions - Answers								
Notes	<ul style="list-style-type: none"> ✓ For "like" fractions (fractions with the same denominator), add or subtract the numerators and write the answer over the common denominator. ✓ Find equivalent fractions with the same denominator before you can add or subtract fractions with different denominators. ✓ Adding and Subtracting with the same denominator: $\frac{a}{b} + \frac{c}{b} = \frac{a+c}{b}, \quad \frac{a}{b} - \frac{c}{b} = \frac{a-c}{b}$ ✓ Adding and Subtracting fractions with different denominators: $\frac{a}{b} + \frac{c}{d} = \frac{ad+bc}{bd}, \quad \frac{a}{b} - \frac{c}{d} = \frac{ad-bc}{bd}$ 								
Example	<p><i>Find the sum.</i> $\frac{2}{5} + \frac{2}{3} = \frac{(2)(3)+(5)(2)}{5 \times 3} = \frac{14}{15}$</p> <p><i>Subtract.</i> $\frac{4}{7} - \frac{3}{7} = \frac{1}{7}$</p>								
Your Turn!	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; vertical-align: top;">1) $\frac{2}{5} + \frac{2}{7} = \frac{31}{35}$</td> <td style="width: 50%; padding: 5px; vertical-align: top;">2) $\frac{7}{9} - \frac{4}{7} = \frac{13}{63}$</td> </tr> <tr> <td style="padding: 5px; vertical-align: top;">3) $\frac{4}{9} + \frac{5}{8} = \frac{77}{72}$</td> <td style="padding: 5px; vertical-align: top;">4) $\frac{5}{8} - \frac{2}{5} = \frac{9}{40}$</td> </tr> <tr> <td style="padding: 5px; vertical-align: top;">5) $\frac{2}{5} + \frac{1}{6} = \frac{17}{30}$</td> <td style="padding: 5px; vertical-align: top;">6) $\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$</td> </tr> <tr> <td style="padding: 5px; vertical-align: top;">7) $\frac{8}{9} + \frac{5}{7} = \frac{101}{63}$</td> <td style="padding: 5px; vertical-align: top;">8) $\frac{6}{7} - \frac{5}{9} = \frac{19}{63}$</td> </tr> </table>	1) $\frac{2}{5} + \frac{2}{7} = \frac{31}{35}$	2) $\frac{7}{9} - \frac{4}{7} = \frac{13}{63}$	3) $\frac{4}{9} + \frac{5}{8} = \frac{77}{72}$	4) $\frac{5}{8} - \frac{2}{5} = \frac{9}{40}$	5) $\frac{2}{5} + \frac{1}{6} = \frac{17}{30}$	6) $\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$	7) $\frac{8}{9} + \frac{5}{7} = \frac{101}{63}$	8) $\frac{6}{7} - \frac{5}{9} = \frac{19}{63}$
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GED Math Study Guide Printable resources are essential for anyone preparing for the General Educational Development (GED) test, particularly for the mathematics section. This guide aims to provide valuable insights, strategies, and resources that will help you succeed in achieving your GED diploma. The GED math section can be challenging, but with the right study materials and techniques, you can build your confidence and improve your math skills.

Understanding the GED Math Test

The GED Math test evaluates your ability to solve problems, understand mathematical concepts, and apply mathematical reasoning. This section

consists of two parts: a calculator section and a non-calculator section.

Test Format

1. Total Questions: The math section contains a total of 46 questions.
2. Duration: You have 115 minutes to complete both parts of the test.
3. Types of Questions:
 - Multiple-choice questions
 - Fill-in-the-blank questions
 - Drag-and-drop questions
 - Hot spot questions

Content Areas

The content areas measured in the GED Math test include:

- Basic Math: This includes operations with whole numbers, fractions, decimals, and percentages.
- Algebra: Questions about expressions, equations, inequalities, and functions.
- Geometry: Understanding properties of shapes, area, volume, and coordinate geometry.
- Data Analysis: Interpreting data from graphs, tables, and charts, as well as basic statistics.

Importance of a Study Guide

Using a GED Math Study Guide Printable can greatly enhance your preparation by providing structured content and focused practice. Here are some reasons why a study guide is crucial:

- Structured Learning: Guides break down complex topics into manageable sections, making it easier to study.
- Practice Questions: Most study guides offer practice questions that mimic the format of the actual test, helping you familiarize yourself with the test structure.
- Time Management: A study guide can help you allocate your study time effectively, ensuring you cover all necessary topics before the test date.
- Self-Assessment: Many guides include answer keys and explanations, allowing you to assess your understanding and identify areas that need improvement.

Creating Your GED Math Study Plan

Developing a study plan tailored to your needs can significantly improve your chances of success. Here's how to create an effective study plan:

Step 1: Assess Your Current Skill Level

- Take a diagnostic test to determine your strengths and weaknesses.
- Identify which areas of math you struggle with the most.

Step 2: Set Specific Goals

- Establish clear, measurable goals for each study session.
- Example goals might include:
 - "I will master basic operations with fractions by next week."
 - "I will complete 20 practice problems on algebra this weekend."

Step 3: Gather Resources

- Collect a variety of study materials, including:
 - GED Math Study Guide Printable
 - Online video tutorials
 - Math apps and websites
 - Practice tests

Step 4: Develop a Study Schedule

- Allocate specific times each week dedicated to math study.
- Ensure you balance your study time between different content areas.

Step 5: Regularly Review and Adjust Your Plan

- Each week, review what you've learned and adjust your study plan as needed.
- Focus more on areas that are still challenging for you.

Tips for Effective Studying

Studying for the GED Math test can be daunting, but these tips can help make

your preparation more effective:

- Use Visual Aids: Create charts, graphs, and diagrams to visualize complex concepts.
- Practice, Practice, Practice: Regularly complete practice problems to reinforce your understanding.
- Join a Study Group: Collaborating with others can provide motivation and additional resources.
- Stay Positive: Maintain a positive attitude and remind yourself that improvement is possible with consistent effort.
- Take Breaks: Don't forget to take breaks during your study sessions to avoid burnout.

Resources for GED Math Preparation

When looking for study materials, consider the following resources:

Online Resources

1. Official GED Website: Offers sample questions, study tips, and official practice tests.
2. Khan Academy: Provides free online courses covering a range of math topics.
3. YouTube: Many educators offer free tutorials on specific math concepts.

Books and Printed Materials

1. GED Math Prep Books: Look for comprehensive study guides that include practice questions and explanations.
2. Workbooks: Find workbooks specifically tailored for GED Math preparation that include exercises and solutions.

Apps and Software

- GED Test Prep Apps: Many apps provide practice questions and tests that you can use on-the-go.
- Math Learning Apps: Apps focused on specific math skills can help reinforce learning outside of traditional study hours.

Using a Printable Study Guide

A GED Math Study Guide Printable is a practical tool that can help you focus your study efforts efficiently. Here's how to effectively utilize a printable study guide:

Organization

- Print out your study guide and organize it by topics.
- Use tabs or bookmarks to easily navigate between sections.

Mark Progress

- As you study, check off completed sections.
- Note areas where you need additional review.

Practice Tests

- Many printable guides include practice tests; use them to track your progress.
- Time yourself to simulate test conditions.

Final Thoughts

Preparing for the GED Math test can be a rewarding journey that opens doors to new opportunities. With the help of a GED Math Study Guide Printable, you can structure your study time effectively, practice crucial skills, and build the confidence needed to excel on test day. Remember to stay committed, remain positive, and utilize all available resources to prepare thoroughly. Good luck on your journey to earning your GED!

Frequently Asked Questions

What is a GED Math Study Guide printable?

A GED Math Study Guide printable is a resource that provides study materials and practice questions specifically designed to help individuals prepare for the math portion of the GED test, which can be printed for convenience.

Where can I find a free GED Math Study Guide printable?

Free GED Math Study Guide printables can be found on educational websites, GED preparation platforms, and community resources that offer downloadable study materials.

What topics are covered in a GED Math Study Guide?

A GED Math Study Guide typically covers topics such as basic math, algebra, geometry, data analysis, and problem-solving strategies relevant to the test.

Are GED Math Study Guides printable effective for studying?

Yes, printable GED Math Study Guides can be effective for studying as they allow learners to engage with the material at their own pace and provide useful practice questions and explanations.

How can I use a GED Math Study Guide printable for effective studying?

To use a GED Math Study Guide effectively, print it out, review the concepts, practice with the provided questions, and track your progress to identify areas needing improvement.

What formats are available for GED Math Study Guides?

GED Math Study Guides are available in various formats, including PDFs, Word documents, and online interactive formats, allowing users to choose what best fits their study habits.

Can I create my own GED Math Study Guide printable?

Yes, you can create your own GED Math Study Guide printable by compiling notes, key concepts, and practice problems from various study resources and formatting them for printing.

Do GED Math Study Guides include answer keys?

Many GED Math Study Guides include answer keys to help learners check their work and understand the solutions to practice questions.

How often should I use a GED Math Study Guide printable in my study routine?

It's recommended to use a GED Math Study Guide printable regularly as part of your study routine, ideally several times a week, to reinforce learning and retention of math concepts.

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