

# BASIC ALGEBRA STUDY GUIDE pdf

## 1: SparkNotes: Prealgebra: Operations

*CliffsNotes study guides are written by real teachers and professors, so no matter what you're studying, CliffsNotes can ease your homework headaches and help you score high on exams.*

It is filled with questions covering basic high school math. This subtest is counted as part of your Armed Forces Qualification Test score, so you will want to perform as well as you can. A good score on this subtest is also important to qualify for a number of military jobs. The Questions The questions on the Mathematics Knowledge subtest cover a variety of mathematical concepts, including fractions, percentages, basic algebra and more. By and large, the questions do not go too in-depth but you will need to have a good working knowledge of how to solve basic math problems to do well on this subtest. Here is some more information about the areas tested for on this exam: Math Vocabulary Before taking this subtest you will want to brush up on your math vocabulary. As for the proportion method of solving percentages, this method is expressed as: Remember to convert a fraction to a percentage you divide the numerator by the denominator and multiply by Now concerning mathematical operations involving fractions: Addition “ if they have the same denominator, simply add the numerators and copy the common denominator. If they have different denominators, determine the LCD and then add. Subtraction “ if they have the same denominators, subtract the numerators and copy the common denominator. If they have different denominators, find the LCD and then subtract. Multiplication “ Multiply the numerators and multiply the denominators and then reduce if possible. Division “ Turn the second fraction upside down and multiply. Algebra Yes, you will need to remember some basic Algebra concepts for this subtest. So if you are planning on taking the computerized version of the test, you should also brush up on your logarithms. Here are some sample questions for this subtest: Test-Taking Tips When answering questions on the Mathematics Knowledge subtest, keep the following in mind: Parentheses first “ you should always do the work inside parentheses before moving on to the remaining parts of the equation. Exponents second “ after solving the parentheses move on to the exponents, and remember exponents go with the number they are closest to. Multiplication and division third “ go from left to right. Addition and subtraction fourth “ again be sure to go from left to right. Also keep in mind this is a timed test so if you run into a difficult problem, skip it, and then come back to it if you have time at the end of the test. Preparing for the Mathematics Knowledge Subtest As mentioned earlier in this study guide, one of the better ways to prepare for the rapid jumps from math concept to math concept on this subtest is to take our practice test. This test contains questions on material commonly tested for on the real test. Other things you can do is look over a math textbook or go online to a math site and read over math concepts and practice solving basic math problems. If this subtest is also used to determine eligibility for a particular military job that you want, then you would want to devote even more attention to this section.

## 2: Algebra 1 “ Mathplanet

*Your guide to beginning Basic Algebra! Start here to learn about Integers, Simplifying Algebraic Expressions, and the Distributive Property.*

## 3: ASVAB Mathematics Knowledge Test Study Guide

*In contrast to geometry (the study of shapes), algebra uses a combination of numbers and symbols to make up expressions, equations, and inequalities. You have to know some of the basic symbols when dealing with algebra.*

## 4: Pre-Algebra | COMPASS Test Study Guide

*a b b a - BASIC MATHEMATICS & ALGEBRA RCT STUDY GUIDE Issued 05/95 SYMBOLS FOR BASIC OPERATIONS The four basic mathematical operations are addition, subtraction, multiplication and division.*

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### 5: Math Study Guides - SparkNotes

*This study guide will help you become comfortable with algebra basics so you can pursue higher level Algebra or just do better on general level math tests and in algebra studies through Algebra I. For additional help, consult our Advanced Basic Math section that takes you through the last part of Algebra I.*

### 6: Your Guide to Basic Algebra Skills

*math. We make the study of numbers easy as 1,2,3. From basic equations to advanced calculus, we explain mathematical concepts and help you ace your next test.*

### 7: Free ACCUPLACER Elementary Algebra Practice Test

*The lessons in this course can help you review basic algebra concepts in preparation for taking the Accuplacer Math: Quantitative Reasoning, Algebra & Statistics Placement Test.*

### 8: Algebra Readiness Test

*If Algebra I questions have you worried, rely on our free Algebra I practice test questions to help you prepare for your big exam. No registration necessary!*

### 9: Math Study Guide | Study Guides | Mesa Community College

*The ACCUPLACER Elementary Algebra test is the second of the three ACCUPLACER math tests. There are 12 algebra problems to solve on this section of the test. If you haven't studied algebra for awhile, then you will definitely want to review all the basic concepts.*

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