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CHSPE MATH

INTENSIVE STUDY GUIDE

Series 4: Geometry and Measurement

Preparation for the CHSPE Math Section: Geometry and Measurement

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Aligned to California State Standards

Comprehensive Review for Each Sub-Section

Material Designed for a 12-year-old Who Passed the CHSPE Math Book Series 4: Geometry & Measurement Test

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CHSPE Math Book Series 4: Geometry & Measurement

TABLE OF CONTENTS

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## CHSPE Math Book Series 4: Geometry & Measurement

CHSPE OVERVIEW

STATE STANDARDS ALIGNMENT

SAMPLE TEST QUESTIONS

CHSPE TEST REVIEW

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Test Specifications for the California High School Proficiency Examination (CHSPE)  
[WWW.CHSPE.NET/ABOUT](http://WWW.CHSPE.NET/ABOUT)  
CHSPE Math Book Series 4: Geometry & Measurement

## **CHSPE OVERVIEW**

The CHSPE is a three and a half hour test. There are two sections of the CHSPE Math Book Series 4: Geometry & Measurement test: Math and English. During the time allotted, you may work on any section or both sections. You may also work on a given section for as long as you like. The English section has 84 questions and the math section has 50 questions. You must pass both sections to receive a Certificate of Proficiency from the State of California. If you pass one section, you are allowed to retake the CHSPE, and only answer the questions for the section that you have not passed.

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However, the CHSPE will be undergoing a revision, which is slated for May of 2015. If you passed only one section prior to May 1, 2015, you may have to retake the entire test and pass both sections of the new version of the test. Keeping this in mind, it is still a CHSPE Math Book Series 4: Geometry & Measurement perfectly acceptable strategy to take the test, say for instance, in October and strictly focus on the math, spending all 3.5 hours working solely on the math questions and then, later, sign up to take the test in March and strictly focus on the English section, spending all 3.5 hours answering just the English questions.

I utilized CHSPE Math Book Series 4: Geometry & Measurement this strategy to prepare my son who was in the 6th grade at the time. In January, I started preparing him for the March test for which he was only going to work on the English section. On the day of the test, he spent the entire 3.5 hours only answering the English questions and writing the essay. After he passed this section, I began preparing him for the CHSPE Math Book Series 4: Geometry & Measurement June test where he could solely focus on the math questions. For the math section, he had to take the test twice, once in June and again in October because the first time, CHSPE Math Book Series 4: Geometry & Measurement he missed the passing cutoff CHSPE Math Book Series 4: Geometry & Measurement score by 3 points. So, in October CHSPE Math Book Series 4: Geometry & Measurement of his 8th grade year (he had CHSPE Math Book Series 4: Geometry & Measurement just skipped 7th grade), he became a high school graduate after passing the math portion. He started college the following semester at age 12.

This book is an intensive review for the math section of the CHSPE. It is broken down into series. Each series contains review material and test questions for a SPECIFIC section of the CHSPE math. Since there are 4 sections, there are 4 parts to the series. This book is series 4 of 4.

The full series is listed below:

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Series 1 is Number Sense and Operations.  
Series 2 is Patterns, Relationships, and Algebra.  
Series 3 is Data, Statistics, and Probability. CHSPE Math Book Series 4: Geometry & Measurement  
Series 4 is Geometry and Measurement.

## **MATHEMATICS SECTION OF THE CHSPE**

The Mathematics section has 50 multiple-choice questions that assess content in the following areas: number sense and operations; patterns, relationships, and algebra; data, statistics, and probability; and geometry and measurement. The questions also assess the mathematical processes of communication and representation, estimation, mathematical connections, and reasoning and problem solving.

This book, Series 4, addresses 'Geometry and Measurement' and these specific skills and processes are listed below.

***D. Geometry and CHSPE Math Book Series 4: Geometry & Measurement Measurement (14 questions)***

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Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. CHSPE Math Book Series 4: Geometry & Measurement Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the CHSPE Math Book Series 4: Geometry & Measurement integral role of estimation in measurement.

1.1 Identify and classify solid and plane figures

1.2 Determine measurements indirectly from scale drawings

1.3 Solve problems involving perimeter, circumference, area, or volume

1.4 Solve problems using the Pythagorean theorem

1.5 Identify geometric transformations

1.6 Solve problems CHSPE Math Book Series 4: Geometry & Measurement using properties of geometric figures

1.7 Solve problems using spatial reasoning

1.8 Solve problems involving similar figures

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## CALIFORNIA STATE STANDARDS ALIGNMENT

Mathematics Content Standards for the State CHSPE Math Book Series 4: Geometry & Measurement of California Public Schools  
Grade 7

### Measurement and Geometry (14 questions)

**1.0 Students choose appropriate units of measure and use ratios to convert within and between measurement systems to solve problems:**

1.1 Compare weights, capacities, geometric measures, times, and temperatures within CHSPE Math Book Series 4: Geometry & Measurement and between measurement systems (e.g., miles per hour and CHSPE Math Book Series 4: Geometry & Measurement feet per second, cubic inches to cubic centimeters).

### CHSPE Math Book Series 4 Geometry Measurement

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