

Lesson 6 The Distance Between Two Rational Numbers

How Chinese Teach Mathematics and Improve Teaching builds upon existing studies to examine mathematics classroom instruction in China. It combines contributions from Chinese scholars with commentary from key Western scholars to offer a truly systematic examination of some important and distinctive features of mathematics classroom instruction. Viewing classroom instruction as part of teachers' instructional practices, this book goes beyond teachers' in-classroom instructional practice by also examining Chinese teachers' approaches and practices in developing and improving teaching. Through this unique approach, How Chinese Teach Mathematics and Improve Teaching expands and unpacks the otherwise fragmented knowledge about Chinese practices in developing and carrying out mathematics classroom instruction.

Eureka Math is a comprehensive, content-rich PreK–12 curriculum that follows the focus and coherence of the Common Core State Standards in Mathematics (CCSSM) and carefully sequences the mathematical progressions into expertly crafted instructional modules. The companion Study Guides to Eureka Math gather the key components of the curriculum for each grade into a single location, unpacking the standards in detail so that both users and non-users of Eureka Math can benefit equally from the content presented. Each of the Eureka Math Curriculum Study Guides includes narratives that provide educators with an overview of what students should be learning throughout the year, information on alignment to the instructional shifts and the standards, design of curricular components, approaches to differentiated instruction, and descriptions of mathematical models. The Study Guides can serve as either a self-study professional development resource or as the basis for a deep group study of the standards for a particular grade. For teachers who are new to the classroom or the standards, the Study Guides introduce them not only to Eureka Math but also to the content of the grade level in a way they will find manageable and useful. Teachers familiar with the Eureka Math curriculum will also find this resource valuable as it allows for a meaningful study of the grade level content in a way that highlights the coherence between modules and topics. The Study Guides allow teachers to obtain a firm grasp on what it is that students should master during the year. The Eureka Math Curriculum Study Guide, Grade 7 provides an overview of all of the Grade 7 modules, including Ratios and Proportional Relationships; Rational Numbers; Expressions and Equations; Percent and Proportional Relationships; Statistics and Probability; Geometry.

What does it mean to win a moral victory? Ideals of just and decisive triumphs often colour the call to war, yet victory is an increasingly dubious proposition in modern conflict, where negotiated settlements and festering violence have replaced formal surrenders. In the Just War and strategic studies traditions, assumptions about victory also underpin decisions to go to war but become more problematic in discussions about its conduct and conclusion. So although winning is typically considered the very object of war, we lack a clear understanding of victory itself. Likewise, we lack reliable resources for discerning a just from an unjust victory, for balancing the duty to fight ethically with the obligation to win, and for assessing the significance of changing ways of war for moral judgment. Though not amenable to easy answers, these important questions are both perennial and especially urgent. This book brings together a group of leading scholars from various disciplines to tackle them. It covers both traditions of victory - charting the historically variable notion of victory and the dialogues and fissures this opens in the just war and strategic canons - along with contemporary challenges of victory- analysing how new security contexts put pressure on these fissures and working toward clearer ideas about victory today. The result is a wide-ranging and timely collection of essays that bridges the gap between ethical, strategic, and historical approaches to war and develops new ways of thinking about it as a practical and moral proposition.

(Keyboard Instruction). This book presents a unique organization and application of keyboard instruction materials to help the student gain the skills necessary to be professional and competitive in the music industry today. The included audio contains recorded versions of all assigned repertoire pieces and examples, so there is no doubt what they should sound like. Rarely does an accomplished artist extend his musical passion to the area of teaching, but jazz composer/keyboardist John Novello is the exception. Novello began teaching in 1983, and released *The Contemporary Keyboardist* a few years later.

Madeline MacNeil's performances are characterized by her effortless vocals and impeccable mountain and hammered dulcimer playing. In this book she reveals some of the secrets of her success with the mountain dulcimer. Early on, she reminds the reader that the dulcimer is not a toy or a stringed kazoo but a serious, expressive musical instrument capable of stretching as far as the imagination. She endorses both playing by ear and learning to read standard notation. In easily-understood language she manages to explore some very complex, even esoteric concepts, making this a particularly valuable book for the beginning instrumentalists. *You Can Teach Yourself Dulcimer* is simply a great fundamental book. Twelve intensive lessons in 95 pages. Standard notation and tablature. Illustrated with photographs and drawings. Traces the author's experiences as an illegal child immigrant, describing her father's violent alcoholism, her efforts to obtain a higher education, and the inspiration of Latina authors.

Being unplugged doesn't mean you're without power. Develop the agility and strength that will give your performances power by making them appear effortless. All music in each 96-page book is shown in TAB and standard notation and recorded on the accompanying CD and/or DVD for demonstration and playing along.

Well over 4,000 pages ... Developed by I Corps Foreign Language Training Center Fort Lewis, WA For the Special Operations Forces Language Office United States Special Operations Command LANGUAGE TRAINING The ability to speak a foreign language is a core unconventional warfare skill and is being incorporated throughout all phases of the qualification course. The students will receive their language assignment after the selection phase where they will receive a language starter kit that allows them to begin language training while waiting to return to Fort Bragg for Phase II. The 3rd Bn, 1st SWTG (A) is responsible for all language training at the USAJFKSWCS. The Special Operations Language Training (SOLT) is primarily a performance-oriented language course. Students are trained in one of ten core languages with enduring regional application and must show proficiency in speaking, listening and reading. A student receives language training throughout the Pipeline. In Phase IV, students attend an 8 or 14 week language blitz depending upon the language they are slotted in. The general purpose of the course is to provide each student with the ability to communicate in a foreign language. For successful

completion of the course, the student must achieve at least a 1/1/1 or higher on the Defense Language Proficiency Test in two of the three graded areas; speaking, listening and reading. Table of Contents Introduction Introduction Lesson 1 People and Geography Lesson 2 Living and Working Lesson 3 Numbers, Dates, and Time Lesson 4 Daily Activities Lesson 5 Meeting the Family Lesson 6 Around Town Lesson 7 Shopping Lesson 8 Eating Out Lesson 9 Customs, and Courtesies in the Home Lesson 10 Around the House Lesson 11 Weather and Climate Lesson 12 Personal Appearance Lesson 13 Transportation Lesson 14 Travel Lesson 15 At School Lesson 16 Recreation and Leisure Lesson 17 Health and the Human Body Lesson 18 Political and International Topics in the News Lesson 19 The Military Lesson 20 Holidays and Traditions

If you want to learn about astronomy, then check out "HowExpert Guide to Astronomy." Join Ryan T. Kirby, an experienced astronomer, and educator, in an exploration that will take you to the stars! In this short book, Ryan aims at teaching you everything you need to know about astronomy and stargazing from scratch! The book is divided into five sections, which are as follows: 1. Understanding the Universe: Ryan brings you up to speed on all the essential terminology and concepts vital to your ability to learn astronomy. 2. Planning your Observation: Discover everything you should do to prepare to go outside and observe the night sky! 3. Exploring the Night Sky: A section where Ryan offers detailed instructions on how to begin observing and learn the night sky while bringing in some helpful tips and tricks from his personal experiences. 4. Unique Events and Activities to Try: A section dedicated to some astonishing events astronomers should look out for and some of his favorite activities and observations, along with detailed advice on tackling them. 5. Fun Facts and Misconceptions: Ryan uniquely closes the book by briefly explaining many surprising, interesting, and unexpected facts about space! This book brings readers into the world of astronomy with ease and offers expert advice and guidelines for approaching the daunting hobby. While aimed at Northern hemisphere residents, many tips, tricks, and techniques are relevant even under entirely different skies than those he mentions throughout the book. About the Expert Ryan Thomas Kirby has served as an educator for half a decade and has received numerous academics and leadership awards during his academic career. Ryan has had experience as a teaching assistant for astronomy courses, an observatory assistant, a supplemental instructor for astronomy courses at a community college, and an educator in numerous other positions. His experience educating in the field of astronomy is rivaled by his experience researching the field. Notably, he has used T.H.E.M.I.S. data from the surface of Mars to investigate the ages of ancient lava flows and imaged densely packed star clusters to learn about their ages, along with other research contributions. Ryan continues to educate others on astronomy topics and continues to contribute to research in the field with plans to further narrow his research in a search for moons around extrasolar planets as he progresses his academic career. Ryan is an alumnus of both Bristol Community College and Wheaton College in Massachusetts. He studied astronomy and physics and has held various leadership and educational positions at both colleges during his tenure. HowExpert publishes quick 'how to' guides on all topics from A to Z by everyday experts.

Designed to supplement Beginning Blues Guitar by David Hamburger and Beginning Rock Guitar by Paul Howard, Blues and Rock Theory for Guitar is the perfect companion to any starter instruction book for either style of playing. Gain an intimate knowledge of diatonic harmony, the three primary chord functions, the major, minor, pentatonic, and blues scales, and be able to identify the most important intervals and chords by sight and sound. With 10 worksheets and a CD full of ear-training examples, you'll gain a solid foundation in music theory and ear training, with the complete understanding of blues and rock chord progressions you need to become a great player. This is a must-have for every blues and rock guitarist.

This guide was written by a noted ethnologist who learned the principles of weaving directly from Navajo artisans. She shares their materials and methods, commenting on history, patterns, symbolism, more. 97 illustrations.

One of Europe's biggest selling music authors offers an oversize, boldly designed tutorial with CD that teaches how to read music for any instrument. 1,000 illustrations.

The Eureka Math curriculum provides detailed daily lessons and assessments to support teachers in integrating the Common Core State Standards for Mathematics (CCSSM) into their instruction. The companion guides to Eureka Math gather the key components of the curriculum for each grade into a single location. Both users and non-users of Eureka Math can benefit equally from the content presented. The CCSSM require careful study. A thorough study of the Guidebooks is a professional development experience in itself as users come to better understand the standards and the associated content. Each book includes narratives that provide educators with an overview of what students learn throughout the year, information on alignment to the instructional shifts and the standards, design of curricular components, and descriptions of mathematical models. The Guidebooks can serve as either a self-study professional development resource or as the basis for a deep group study of the standards for a particular grade. For teachers who are either brand new to the classroom or to the Eureka Math curriculum, the Grade Level Guidebooks introduce them not only to Eureka Math but also to the content of the grade level in a way they will find manageable and useful. Teachers already familiar with the curriculum will also find this resource valuable as it allows for a meaningful study of the grade level content in a way that highlights the coherence between modules and topics. The Guidebooks allow teachers to obtain a firm grasp on what it is that students should master during the year.

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