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COVID-19 and Education Christopher Cheong 2021-05-28 Topics include work-integrated learning (internships), student well-being, and students with disabilities. Also, it explores the impact on assessments and academic integrity and what analysis of online systems tells us. Preface ix Section I: Introduction 1 Chapter 1: COVID-19 Emergency Education Policy and Learning Loss: A Comparative Study 3 Athena Vongalis-Macrow, Denise De Souza, Clare Littleton, Anna Sekhar Section II: Student and Teacher Perspectives 27 Chapter 2: Classrooms Going Digital – Evaluating Online Presence Through Students' Perception Using Community of Inquiry Framework 29 Hiep Cong Pham, Phuong Ai Hoang, Duy Khanh Pham, Nguyen Hoang Thuan, Minh Nhat Nguyen Chapter 3: A Study of Music Education, Singing, and Social Distancing during the COVID-19 Pandemic: Perspectives of Music Teachers and Their Students in Hong Kong, China 51 Wai-Chung Ho Hong Kong Baptist University Chapter 4: The Architectural Design Studio During a Pandemic: A Hybrid Pedagogy of Virtual and Experiential Learning 75 Cecilia De Marinis, Ross T. Smith Chapter 5: Enhancing Online Education with Intelligent Discussion Tools 97 Jake Renzella, Laura Tubino, Andrew Cain, Jean-Guy Schneider Section III: Student Experience 115 Chapter 6: Australian Higher Education Student Perspectives on Emergency Remote Teaching During the COVID-19 Pandemic 117 Christopher Cheong, Justin Filippou, France Cheong, Gillian Vesty, Viktor Arity Chapter 7: Online Learning and Engagement with the Business Practices During Pandemic 151 Aida Ghalebegi, Ehsan Gharai Chapter 8: Effects of an Emergency Transition to Online Learning in Higher Education in Mexico 165 Deon Victoria Heffington, Vladimir Veniamin Cabañas Victoria Chapter 9: Factors Affecting the Quality of E-Learning During the COVID-19 Pandemic From the Perspective of Higher Education Students 189 Kesavan Vadakalur Elumalai, Jayendra P Sankar, Kalaichelvi R, Jeena Ann John, Nidhi Menon, Mufleh Salem M Alqahtani, May Abdulaziz Abumelha Disabilities 213 Chapter 10: Learning and Working Online During the COVID-19 Pandemic: A Wellbeing Literacy Perspective on Work Integrated Learning Students 215 Nancy An, Gillian Vesty, Christopher Cheong Chapter 11: Hands-on Learning in a Hands-off World: Project-Based Learning as a Method of Student Engagement and Support During the COVID-19 Crisis .. 245 Nicole A. Suarez, Ephemeral Roshdy, Dana V. Bakke, Andrea A. Chiba, Leanne Chukoskie Chapter 12: Positive and Contemplative Pedagogies: A Holistic Educational Approach to Student Learning and Well-being 265 Sandy Fitzgerald (née Ng) Chapter 13: Taking Advantage of New Opportunities Afforded by the COVID-19 Pandemic: A Case Study in Responsive and Dynamic Library and Information Science Work Integrated Learning 297 Jessie Lymn, Suzanne Pasanai Chapter 14: Online Learning for Students with Disabilities During COVID-19 Lockdown 313 Mark Taylor Section V: Teacher Practice 331 Chapter 15: From Impossibility to Necessity: Reflections on Moving to Emergency Remote University Teaching During COVID-19 333 Mikko Rajanen Chapter 16: Business (Teaching) as Usual Amid the COVID-19 Pandemic: A Case Study of Online Teaching Practice in Hong Kong 355 Tsz Kit Ng, Rebecca Reynolds, Man Yi (Helen) Chan, Xiu Han Li, Samuel Kai Wah Chu Chapter 17: Secondary School Language Teachers' Online Learning Engagement during the COVID-19 Pandemic in Indonesia 385 Imelda Gozali, Anita Lie, Siti Mina Tamah, Katarina Retno Triwidayati, Tresiana Sari Diah Utami, Fransiskus Jemadi Chapter 18: Riding the COVID-19 Wave: Online Learning Activities for a Field-based Marine Science Unit 415 PF Francis Section VI: Assessment and Academic Integrity 429 Chapter 19: Student Academic Integrity in Online Learning in Higher Education in the Era of COVID-19 431 Carolyn Augusta, Robert D. E. Henderson Chapter 20: Assessing Mathematics During COVID-19 Times 447 Simon James, Kerri Morgan, Guillermo Pineda-Villavicencio, Laura Tubino Chapter 21: Preparedness of Institutions of Higher Education for Assessment in Virtual Learning Environments During the COVID-19 Lockdown: Evidence of Bona Fide Challenges and Pragmatic Solutions 465 Talha Sharadgah, Rami Sa'di Section VII: Social Media, Analytics, and Systems 487 Chapter 22: Learning Disrupted: A Comparison of Two Consecutive Student Cohorts 489 Peter Vitartas, Peter Matheis Chapter 23:

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Fourth Grade Math Greg Sherman 2013-11-11 This book, with over 250 problems, covers the following topics: Number Theory / System, Addition / Subtraction, Multiplication / Division, Fractions / Decimals, Patterns, Geometry, Algebra, Metric System, and more! If you are home schooling (or if you are just trying to get extra practice for your child), then you already know that math workbooks and curriculum can be expensive. Home School Brew is trying to change that! We have teamed with teachers and parents to create books for prices parents can afford. We believe education shouldn't be expensive. The problem portion of the book may also be purchased individually in "Fourth Grade Math Problems."

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Prealgebra and Introductory Algebra: An Applied Approach Richard N. Aufmann 2010-03-05 As in previous editions, the focus in PREALGEBRA & INTRODUCTORY ALGEBRA, remains on the Aufmann Interactive Method (AIM). Students are encouraged to be active participants in the classroom and in their own studies as they work through the How To examples and the paired Examples and You Try It problems. The role of active participant is crucial to success. Presenting students with worked examples, and then providing them with the opportunity to immediately work similar problems, helps them build their confidence and eventually master the concepts. To this point, simplicity plays a key factor in the organization of this edition, as in all other editions. All lessons, exercise sets, tests, and supplements are organized around a carefully-constructed hierarchy of objectives. This objective-based approach not only serves the needs of students, in terms of helping them to clearly organize their thoughts around the content, but instructors as well, as they work to design syllabi, lesson plans, and other administrative documents. The Second Edition features a new design, enhancing the Aufmann Interactive Method and the organization of the text around objectives, making the pages easier for both students and instructors to follow. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Algebra II All-in-One For Dummies Mary Jane Sterling 2022-08-30 Every intermediate algebra lesson, example, and practice

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Quiz Time Mathematics Editorial Board 2012-04-01 In line with the range and series of Quiz Books published so far, V&S Publishers has come out with yet another novel and interesting Quiz Time Mathematics providing its readers with simple, interesting and brain teasing questions and quizzes along with their answers. Since the year 2012 has been declared the 'National Mathematical Year' in India, this is definitely the ideal time to launch the book. The book is very concise and aims to develop and sharpen the logical, reasoning and mathematical skills of the readers, particularly the school and college going students. The book is a unique blend of intriguing Questions and Quizzes divided into various chapters, such as Numerals, Geometry and Algebra defining the meaning of Mathematics, its various branches and usage, explaining the different, simple and complex mathematical terms and including the several theorems and laws to make the subject easier and interesting to the readers, especially the young students. Each chapter is accompanied with answers for the readers' convenience.

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Algebra II Carolyn Wheeler 2015-11-03 Perhaps no subject strikes so much fear in the hearts of high school and college students as Algebra I, except of course its older, meaner sibling, Algebra II! Just when students think they've got a handle on linear equations, BOOM! Algebra II shatters their confidence with exponential and logarithmic functions! Starting with reinforcing concepts from Algebra I and with lots of practice and tips along the way, Idiot's Guides: Algebra II eases the reader into second-year algebra to help them master their academic goals. With Common Core instruction in mind, readers get: * A natural transition from Algebra I, with a review of relevant concepts and operations. * An in-depth review and expansion of polynomials * Easy guidance on solving complex rational expressions and radical functions * Instructions on how to perform operations on polynomials and factoring * An exploration of exponential and logarithmic functions * Tips on solving matrices and determinants * Special sidebars pointing out the reasoning behind the techniques, which is an essential part of Common Core instruction -- Separate workbook section of extra Algebra practice problems-like getting two books in one!

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Artificial Intelligence in Education Ulrich Hoppe 2003 This work reports on research into intelligent systems, models, and architectures for educational computing applications. It covers a wide range of advanced information and communication and computational methods applied to education and training.

Algebra for Fourth Graders Greg Sherman 2013-11-26 If your child is struggling with math, then this book is for you; the short book covers the topic and also contains 30 practice problems to work with. This subject comes from the book "Fourth Grade Math (For Home School or Extra Practice)"; it more thoroughly covers more fifth grade topics to help your child get a better understanding of fourth grade math. If you purchased that book, or plan to purchase that book, do not purchase this, as the problems are the same.

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Math Quiz Series Mark J. Curry 2013-11 The entire Math Quiz series is now available in one e-book. Seven books - 685 questions (The answers can be found in a separate section) – WOW! These quizzes will be extremely helpful to learn the vocabulary that drives the area of math that is linked to each title. Remember, math is not just about solving problems. Find out exactly where your math knowledge lies. Below are the seven books included in the series with information and sample questions for each one. Enjoy! Math Quiz #1 - Whole Numbers and Number Theory Most people know what five plus four equals. But do you know what these numbers are called? What's a composite number? How about the number inside the division box? Do you know or remember what it's called? What is multiplication really? These are just a few of the things you'll need to know to be successful on this quiz. There are 63 questions in this Math Quiz that are all related to Whole Numbers and Number Theory. Math Quiz #2 – Fractions, Decimals, Ratio and Proportion, Percents/Interest When comparing fractions, how can you tell which fraction is larger? What is unique about a fraction whose denominator is twice as large as the numerator? What determines the worth of a decimal number? What is the actual percent in a problem called? These are just a few of the things you'll need to know to be successful on this quiz. There are 89 questions in this Math Quiz that are all related to Fractions, Decimals, Ratio and Proportion, and Percents/Interest. Math Quiz #3 – Customary and Metric Measurement One pint is how many fluid ounces? What is the quantity of matter in an object? How is electricity measured? These are just a few of the things you'll need to know to be successful on this quiz. There are 64 questions in this Math Quiz that are all related to Customary and Metric Measurement. Math Quiz #4 – Geometry Line segments that have the same length are called what (9 letters)? What is a line segment with endpoints on a circle called (5 letters)? This is the point where the x-axis and y-axis meet (6 letters): This reasoning is a way to reach a conclusion based on a pattern (9 letters): These are just a few of the things you'll need to know to be successful on this quiz. There are 134 questions in this Math Quiz that are all related to Geometry. Math Quiz #5 – Pre-Algebra A term that is a number is called a what? When something has the same value or is equal to (10 letters): What is the steepness of a straight line called? This is a number that multiplies a variable (11 letters): These are just a few of the things you'll need to know to be successful on this quiz. There are 102 questions in this Math Quiz that are all related to Pre-Algebra. Math

Quiz #6 – Algebra This is the point where coordinate axes cross (6 letters): What does a vertical line test on a graph tell about a set of ordered pairs? These types of lines have the same slope (8 letters): A number or a group of numbers written with operation signs is called what (10 letters)? These are just a few of the things you'll need to know to be successful on this quiz. There are 156 questions in this Math Quiz that are all related to Algebra 1. Math Quiz #7 – Maps, Schedules, Graphs, Charts, Data, Probability, and Statistics This explains what each symbol represents within a graph (3 letters): Sometimes when it's difficult to read data it's helpful to use this "plot" or "diagram" (7 letters): This "sampling" is generally the most accurate method to sample a population (6 letters): These are events for which the outcome of one affects the outcome of the other (9 letters): These are just a few of the things you'll need to know to be successful on this quiz. There are 77 questions in this Math Quiz that are all related to Maps, Schedules, Graphs, Charts, Data, Probability, and Statistics.

Fifth Grade Math Quiz Greg Sherman 2013-08-24 This book, with 100 math problems, covers the following topics: Algebra, Decimals, Fractions, Geometry, Measurement, Multiplying Large Numbers, Probability, Word Problems, and more. These problems come from the book "Fifth Grade Math (For Homeschool or Extra Practice)"; it more thoroughly covers the topics to help your child get a better understanding of the subject. If you purchased that book, or plan to purchase that book, do not purchase this, as the problems are the same.

Basic Math & Pre-Algebra All-in-One For Dummies (+ Chapter Quizzes Online) Mark Zegarelli 2022-05-10 Absolutely everything you need to get ready for Algebra Scared of square roots? Suspicious of powers of ten? You're not alone. Plenty of school-age students and adult learners don't care for math. But, with the right guide, you can make math basics "click" for you too! In Basic Math & Pre-Algebra All-in-One For Dummies, you'll find everything you need to be successful in your next math class and tackle basic math tasks in the real world. Whether you're trying to get a handle on pre-algebra before moving to the next grade or looking to get more comfortable with everyday math—such as tipping calculations or balancing your checkbook—this book walks you through every step—in plain English, and with clear explanations—to help you build a firm foundation in math. You'll also get: Practice quizzes at the end of each chapter to test your comprehension and understanding A bonus online quiz for each chapter, with answer choices presented in multiple choice format A ton of explanations, examples, and practice problems that prepare you to tackle more advanced algebraic concepts From the different categories of numbers to mathematical operations, fractions, percentages, roots and powers, and a short intro to algebraic expressions and equations, Basic Math & Pre-Algebra All-in-One For Dummies is an essential companion for anyone who wants to get a handle on the foundational math concepts that are the building blocks for Algebra and beyond.

9th Grade Math MCQs Arshad Iqbal 2017-10-06 9th Grade Math MCQs: Multiple Choice Questions and Answers (Quiz & Tests with Answer Keys) covers 9th grade math quick study guide with course review tests for competitive exams preparation. "Grade 9 Math MCQ" with answers includes fundamental concepts for theoretical and analytical assessment tests. "9th Grade Math Quiz", a quick study guide can help to learn and practice questions for placement test. Grade 9 Math Multiple Choice Questions and Answers (MCQs) exam book is a revision guide with a collection of trivia questions to fun quiz questions and answers on topics: Algebraic expressions and algebraic formulas, algebraic manipulation, arithmetic and geometric sequences, basic math problems, basic statistics, business mathematics, congruent triangles and geometry, consumer math, factorization, introduction to logarithms, linear equations and inequalities, linear graphs and applications, logarithms and exponents, mathematical theorems, matrices and determinants, percentage, ratio and proportion, real and complex numbers, sets and functions with solved problems. "Grade 9 Math Questions and Answers" covers exam's viva, interview questions and competitive exam preparation with answer key. 9th grade math quick study guide includes terminology definitions with self-assessment tests from math textbooks on chapters: Algebraic Expressions and Algebraic Formulas MCQs Algebraic Manipulation MCQs Arithmetic and Geometric Sequences MCQs Basic Math Problems MCQs Basic Statistics MCQs Business Mathematics MCQs Congruent Triangles and Geometry MCQs Consumer Math MCQs Factorization MCQs Introduction to Logarithms MCQs Linear Equations and Inequalities MCQs Linear Graphs and Applications MCQs Logarithms and Exponent.s MCQs Mathematical Theorems MCQs Matrices and Determinants MCQs Percentage, Ratio and Proportion MCQs Real and Complex Numbers MCQs Sets and Functions MCQs Algebraic Expressions and Algebraic Formulas multiple choice questions and answers covers MCQ questions on topics: Algebraic expressions, algebra formulas, surds, rationalization of surds, and applications. Algebraic manipulation multiple choice questions and answers covers MCQ questions on topics: Square root of algebraic expression, basic mathematics, LCM, and HCF. Arithmetic and Geometric Sequences multiple choice questions and answers covers MCQ questions on topics: Arithmetic sequence, arithmetic mean, sequence, geometric sequence, and geometric mean. Basic math problems multiple choice questions and answers covers MCQ questions on topics: Math theorems, collinear points, distance formula, mid-point formula, Pythagoras theorem, and solving linear inequalities. Basic Statistics multiple choice questions and answers covers MCQ questions on topics: Central tendency measurements, central tendency: mean, median and mode, measures of central tendency, cumulative frequency, frequency distribution, and measures of dispersion. Business Mathematics multiple choice questions and answers covers MCQ questions on topics: Business partnership, discount formula, profit, and loss. Congruent Triangles and Geometry multiple choice questions and answers covers MCQ questions on topics: Congruent triangles, construction of triangles, and mathematical definitions. Consumer Math multiple choice questions and answers covers MCQ questions on topics: Personal income, and taxes. Factorization multiple choice questions and answers covers MCQ questions on topics: Factorization, remainder theorem, and factor theorem. Introduction to Logarithms multiple choice questions and answers covers MCQ questions on topics: Introduction to logarithms, characteristics of logarithm, common logarithm and natural logarithm, and laws of logarithms.

6th Grade Math MCQs Arshad Iqbal 2017-10-04 6th grade math multiple choice questions has 448 MCQs. Grade 6 math quiz questions and answers, MCQs on integers, rational numbers, sequence and series, factors and multiples, volume and surface area, functions, graphs, angle properties of polygons, class 6 mathematics MCQs with answers, estimation and approximation, fundamental algebra, algebraic equations and simple inequalities, arithmetical problems and percentages, ratio rate and speed, geometrical concepts and properties, perimeter and area of geometrical figures MCQs and quiz worksheets to practice exam prep tests. 6th grade math multiple choice quiz questions and answers, math exam revision and study guide with practice tests for online exam prep and interviews. Math interview questions and answers to ask, to prepare and to study for jobs interviews and career MCQs with answer keys. Algebraic equations and simple inequalities quiz has 69 multiple choice questions. Angle

properties of polygons quiz has 17 multiple choice questions. Arithmetical problems and percentages quiz has 48 multiple choice questions with answers. Estimation and approximation quiz has 31 multiple choice questions. Factors and multiples quiz has 41 multiple choice questions. Functions and graphs quiz has 17 multiple choice questions. Fundamental algebra quiz has 70 multiple choice questions. Geometrical concepts and properties quiz has 24 multiple choice questions. Integer's quiz has 42 multiple choice questions. Number sequences quiz has 12 multiple choice questions. Perimeter and area of geometrical figures quiz has 20 multiple choice questions. Ratio rate and speed quiz has 46 multiple choice questions. Rational numbers quiz has 32 multiple choice questions. Volume and surface area quiz has 19 multiple choice questions and answers. 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Practice "Introduction to Applied Mathematics MCQ" with answers PDF by solved MCQs test questions: Absolute values and relationships, Cartesian plane, first degree equations, rectangular coordinate systems, second degree equation in one variable, and solving inequalities. Practice "Linear Equations MCQ" with answers PDF by solved MCQs test questions: Linear equation, Gaussian elimination method, graphical linear equations, graphing linear equations, how to graph with linear equations, linear equations in mathematics, linear equations, slope intercept form, three dimensional coordinate systems, and two variable systems of equation. Practice "Linear Programming: An Introduction MCQ" with answers PDF by solved MCQs test questions: Graphic solutions, introduction to linear programming, linear objective function, examples, linear programming models, and mathematical programming. Practice "Mathematical Functions MCQ" with answers PDF by solved MCQs test questions: Mathematical functions, and types of functions. Practice "Mathematics of Finance MCQ" with answers PDF by solved MCQs test questions: Annuities and future values, annuities and present value, cash flow analysis, cost benefit analysis, and single payment computations. Practice "Matrix Algebra MCQ" with answers PDF by solved MCQs test questions: Introduction to matrices, inverse matrix, matrix determinant, matrix operations, and types of matrices. Practice "Quadratic and Polynomial Functions MCQ" with answers PDF by solved MCQs test questions: Graphing quadratic functions, how to graph a parabola, polynomial and rational functions, and quadratic functions characteristics. and many more chapters!

Math Workout for the GRE, 4th Edition The Princeton Review 2017-07-18 This eBook edition has been specially formatted for on-screen viewing with cross-linked questions, answers, and explanations. THE PRINCETON REVIEW GETS RESULTS. The Princeton Review's Math Workout for the GRE is your one-stop guide to conquering the quantitative portions of the GRE exam—even if your math knowledge is a bit rusty. Inside, you'll find useful reviews of key test topics, strategies for tackling tough questions, and all the practice you need to get the score you want. Inside the Book: All the Practice & Strategies You Need · 275+ practice questions with detailed answers and explanations · Strategies for mastering tricky Quantitative Comparison, All-That-Apply, and Numeric Entry questions · Helpful review of the math basics, and in-depth coverage of the algebra and geometry you'll need on the Math section of the GRE · Glossary of common terms to brush up on your math vocabulary · Two sample GRE math sections to hone your skills

Algebra 1995

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Math Workout for the New GMAT, 4th Edition Princeton Review 2012-05-22 If you need to know it for the new, next-generation GMAT, it's in this book. Math Workout for the New GMAT, 4th Edition has been optimized for e-readers, with all questions, answers, and explanations cross-linked for easy on-screen viewing. It includes: • More than 220 practice questions with full answer explanations to show you exactly what to expect on the Quantitative section of the new GMAT, covering data sufficiency, statistics, algebra, geometry, and more • A thorough introduction to the brand-new Integrated Reasoning section and question types: table analysis, graphics interpretation, multi-source reasoning, and two-part analysis • Proven strategies for acing tricky data sufficiency problems • Tips and tricks to help you effectively manage your time on geometry and algebra questions

Algebra for First Graders Greg Sherman 2013-10-01 If your child is struggling with math, then this book is for you; the short book, covers the topic and also contains 30 practice problems to work with. This subject comes from the book "First Grade Math (For Home School or Extra Practice)"; it more thoroughly covers more first grade topics to help your child get a better understanding of first grade math. If you purchased that book, or plan to purchase that book, do not purchase this, as the problems are the same. Certain elements of this eBook require you to fill in blanks; this is obviously not possible in an eReader environment; it is recommended that you use a blank sheet of paper as you work through this book with your child.

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First Grade Math Greg Sherman 2013-09-15 This book, with over 250 problems, covers the following topics: Capacity, Fractions, Money, Temperature, Time, Weight, Spatial Sense, Algebra and more! If you are home schooling (or if you are just trying to get extra practice for your child), then you already know that math workbooks and curriculum can be expensive. Home School Brew is trying to change that! We have teamed with teachers and parents to create books for prices parents can afford. We believe education shouldn't be expensive. The problem portion of the book may also be purchased individually in "First Grade Math Problems."

Algebra & Trigonometry Cynthia Y. Young 2021-11 "As a mathematics professor, I would hear my students say, "I understand you in class, but when I get home I am lost." When I would probe further, students would continue with "I can't read the book." As a mathematician, I always found mathematics textbooks quite easy to read-and then it dawned on me: Don't look at this book through a mathematician's eyes; look at it through the eyes of students who might not view mathematics the same way that I do. What I found was that the books were not at all like my class. Students understood me in class, but when they got home they couldn't understand the book. It was then that the folks at Wiley lured me into writing. My goal was to write a book that is seamless with how we teach and is an ally (not an adversary) to student learning. I wanted to give students a book they could read without sacrificing the rigor needed for conceptual understanding. The following quote comes from a reviewer when asked about the rigor of the book: I would say that this text comes across as a little less rigorous than other texts, but I think that stems from how easy it is to read and how clear the author is. When one actually looks closely at the material, the level of rigor is high"--

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