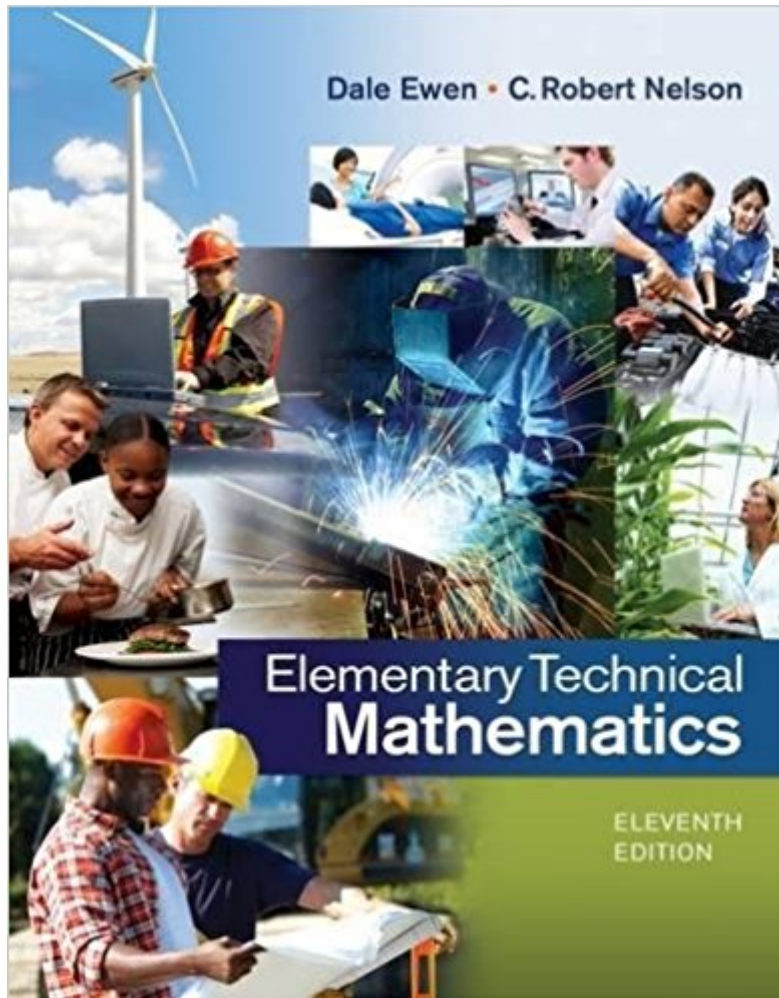




Ebook Directory
the best source of ebook

The book was found

Elementary Technical Mathematics



Synopsis

ELEMENTARY TECHNICAL MATHEMATICS Eleventh Edition is written to help students with minimal math background successfully prepare for technical, trade, allied health, or Tech Prep programs. The authors focus on fundamental concepts in basic arithmetic including the metric system and measurement, algebra, geometry, trigonometry, and statistics, which are supported by thousands of examples, exercises, and applications surrounding such fields as industrial and construction trades, electronics, agriculture/horticulture, allied health, CAD/drafting, HVAC, welding, auto/diesel service, aviation, natural resources, culinary arts, business/personal finance, and others. For this revision, the authors have added over 150 new exercises, 30 new examples, new applications categories, and a new appendix on simple inequalities. The goal of ELEMENTARY TECHNICAL MATHEMATICS is to engage students and provide them with the math background they need to succeed in future courses and careers.

Book Information

Paperback: 640 pages

Publisher: Brooks Cole; 11 edition (January 1, 2014)

Language: English

ISBN-10: 1285199197

ISBN-13: 978-1285199191

Product Dimensions: 10.7 x 8.4 x 1 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 15 customer reviews

Best Sellers Rank: #18,512 in Books (See Top 100 in Books) #10 in Books > Science & Math > Mathematics > Pure Mathematics > Discrete Mathematics #74 in Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Elementary #105 in Books > Textbooks > Science & Mathematics > Mathematics > Algebra & Trigonometry

Customer Reviews

1. BASIC CONCEPTS. Unit1A Review of Operations with Whole Numbers. 1.1 Review of Basic Operations. 1.2 Order of Operations. 1.3 Area and Volume. 1.4 Formulas. 1.5 Prime Factorization Divisibility. Unit 1A: Review. Unit 1B Review of Operations with Fractions. 1.6 Introduction to Fractions. 1.7 Addition and Subtraction of Fractions. 1.8 Multiplication and Division of Fractions. 1.9 The U.S. System of Weights and Measures. Unit 1B: Review. Unit 1C Review of Operations with Decimal Fractions and Percent. 1.10 Addition and Subtraction of Decimal Fractions. 1.11 Rounding

Numbers. 1.12 Multiplication and Division of Decimal Fractions. 1.13 Percent. 1.14 Part, Base, and Rate. 1.15 Powers and Roots. 1.16 Application Involving Percent: Business and Personal Finance. Unit 1C: Review. Chapter 1: Group Activities. Chapter 1: Summary. Chapter 1: Review. Chapter 1: Test. 2. SIGNED NUMBERS AND POWERS OF 10. 2.1 Addition of Signed Numbers. 2.2 Subtraction of Signed Numbers. 2.3 Multiplication and Division of Signed Numbers. 2.4 Signed Fractions. 2.5 Powers of 10. 2.6 Scientific Notation. 2.7 Engineering Notation. Chapter 2: Group Activities. Chapter 2: Summary. Chapter 2: Review. Chapter 2: Test. Chapter 1-2: Cumulative Review. 3. THE METRIC SYSTEM. 3.1 Introduction to the Metric System. 3.2 Length. 3.3 Mass and Weight. 3.4 Volume and Area. 3.5 Time, Current, and Other Units. 3.6 Temperature. 3.7 Metric and U.S. Conversion. Chapter 3: Group Activities. Chapter 3: Summary. Chapter 3: Review. Chapter 3: Test. 4. MEASUREMENT. 4.1 Approximate Numbers and Accuracy. 4.2 Precision and Greatest Possible Error. 4.3 The Vernier Caliper. 4.4 The Micrometer Caliper. 4.5 Addition and Subtraction of Measurements. 4.6 Multiplication and Division of Measurements. 4.7 Relative Error and Percent of Error. 4.8 Color Code of Electrical Resistors. 4.9 Reading Scales. Chapter 4: Group Activities. Chapter 4: Summary. Chapter 4: Review. Chapter 4: Test. Chapter 1-4: Cumulative Review. 5. POLYNOMIALS: AN INTRODUCTION TO ALGEBRA. 5.1 Fundamental Operations. 5.2 Simplifying Algebraic Expressions. 5.3 Addition and Subtraction of Polynomials. 5.4 Multiplication of Monomials. 5.5 Multiplication of Polynomials. 5.6 Division by a Monomial. 5.7 Division by a Polynomial. Chapter 5: Group Activities. Chapter 5: Summary. Chapter 5: Review. Chapter 5: Test. 6. EQUATIONS AND FORMULAS. 6.1 Equations. 6.2 Equations with Variables in Both Members. 6.3 Equations with Parentheses. 6.4 Equations with Fractions. 6.5 Translating Words into Algebraic Symbols. 6.6 Applications Involving Equations. 6.7 Formulas. 6.8 Substituting Data into Formulas. 6.9 Reciprocal Formulas Using a Calculator. Chapter 6: Group Activities. Chapter 6: Summary. Chapter 6: Review. Chapter 6: Test. Chapters 1-6: Cumulative Review. 7. RATIO AND PROPORTION. 7.1 Ratio. 7.2 Proportion. 7.3 Direct Variation. 7.4 Inverse Variation. Chapter 7: Group Activities. Chapter 7: Summary. Chapter 7: Review. Chapter 7: Test. 8. GRAPHING LINEAR EQUATIONS. 8.1 Linear Equations with Two Variables. 8.2 Graphing Linear Equations. 8.3 The Slope of a Line. 8.4 The Equation of a Line. Chapter 8: Group Activities. Chapter 8: Summary. Chapter 8: Review. Chapter 8: Test. Chapters 1-8: Cumulative Review. 9. SYSTEMS OF LINEAR EQUATIONS. 9.1 Solving Pairs of Linear Equations by Graphing. 9.2 Solving Pairs of Linear Equations by Addition. 9.3 Solving Pairs of Linear Equations by Substitution. 9.4 Applications Involving Pairs of Linear Equations. Chapter 9: Group Activities. Chapter 9: Summary. Chapter 9: Review. Chapter 9: Test. 10. FACTORING ALGEBRAIC EXPRESSIONS. 10.1 Finding Monomial Factors. 10.2 Finding the

Product of Two Binomials Mentally. 10.3 Finding Binomial Factors. 10.4 Special Products. 10.5 Finding Factors of Special Products. 10.6 Factoring General Trinomials. Chapter 10: Group Activities. Chapter 10: Summary. Chapter 10: Review. Chapter 10: Test. Chapters 1-10: Cumulative Review. 11. QUADRATIC EQUATIONS. 11.1 Solving Quadratic Equations by Factoring. 11.2 The Quadratic Formula. 11.3 Applications Involving Quadratic Equations. 11.4 Graphs of Quadratic Equations. 11.5 Imaginary Numbers. Chapter 11: Group Activities. Chapter 11: Summary. Chapter 11: Review. Chapter 11: Test. 12. GEOMETRY. 12.1 Angles and Polygons. 12.2 Quadrilaterals. 12.3 Triangles. 12.4 Similar Polygons. 12.5 Circles. 12.6 Radian Measure. 12.7 Prisms. 12.8 Cylinders. 12.9 Pyramids and Cones. 12.10 Spheres. Chapter 12: Group Activities. Chapter 12: Summary. Chapter 12: Review. Chapter 12: Test. Chapters 1-12: Cumulative Review. 13. RIGHT TRIANGLE TRIGONOMETRY. 13.1 Trigonometric Ratios. 13.2 Using Trigonometric Ratios to Find Angles. 13.3 Using Trigonometric Ratios to Find Sides. 13.4 Solving Right Triangles. 13.5 Applications Involving Trigonometric Ratios. Chapter 13: Group Activities. Chapter 13: Summary. Chapter 13: Review. Chapter 13: Test. 14. TRIGONOMETRY WITH ANY ANGLE. 14.1 Sine and Cosine Graphs. 14.2 Period and Phase Shift. 14.3 Solving Oblique Triangles: Law of Sines. 14.4 Law of Sines: The Ambiguous Case. 14.5 Solving Oblique Triangles: Law of Cosines. Chapter 14: Group Activities. Chapter 14: Summary. Chapter 14: Review. Chapter 14: Test. Chapters 1-14: Cumulative Review. 15. BASIC STATISTICS. 15.1 Bar Graphs. 15.2 Circle Graphs. 15.3 Line Graphs. 15.4 Other Graphs. 15.5 Mean Measurement. 15.6 Other Average Measurements and Percentiles. 15.7 Range and Standard Deviation. 15.8 Grouped Data. 15.9 Standard Deviation for Grouped Data. 15.10 Statistical Process Control. 15.11 Other Graphs for Statistical Data. 15.12 Normal Distribution. 15.13 Probability. 15.14 Independent Events. Chapter 15: Group Activities. Chapter 15: Summary. Chapter 15: Review. Chapter 15: Test. 16. BINARY AND HEXADECIMAL NUMBERS. 16.1 Introduction to Binary Numbers. 16.2 Addition of Binary Numbers. 16.3 Subtraction of Binary Numbers. 16.4 Multiplication of Binary Numbers. 16.5 Conversion from Decimal to Binary System. 16.6 Conversion from Binary to Decimal System. 16.7 Hexadecimal System. 16.8 Addition and Subtraction of Hexadecimal Numbers. 16.9 Binary to Hexadecimal Conversion. 16.10 Hexadecimal Code for Colors. Chapter 16: Group Activities. Chapter 16: Summary. Chapter 16: Review. Chapter 16: Test. Chapters 1-16: Cumulative Review. Appendix A: Tables. Table 1: Formulas from Geometry. Table 2: Electrical Symbols. Appendix B: Exponential Equations. Appendix C: Simple Inequalities Appendix D: Instructor's Answer Key to All Exercises.

Dale Ewen, Executive Vice President of Parkland College, Illinois, (1999-2004), has been the

recipient of several AMATYC (American Mathematical Association of Two-Year Colleges) awards and served as the organization's president (1989-91). He is the author of a number of technical mathematic textbooks including ELEMENTARY TECHNICAL MATHEMATICS from Cengage. Dale graduated from the University of Illinois with a B.S. in 1963 and an M.Ed. in 1966. C. Robert Nelson, retired mathematics teacher, taught high school math for 33 years. He earned his Associate's degree at Norfolk Junior College and his Bachelor's degree from Midland College. He later received his Master's degree from University of Illinois.

Just what I needed. Prompt delivery

The paper back isn't holding up very well and it's only been a couple of weeks. I don't anticipate it lasting until the end of the semester.

love it

for current classes

AAA

not only was we happy with the product , CUSTOMER SERVICE IS AMAZING!!!!

Great book, Met class requirements

Perfect.

[Download to continue reading...](#)

Elementary Technical Mathematics One Hundred Problems in Elementary Mathematics (Dover Books on Mathematics) Discrete Mathematics: Elementary and Beyond (Undergraduate Texts in Mathematics) Elementary and Middle School Mathematics: Teaching Developmentally (8th Edition) (Teaching Student-Centered Mathematics Series) Coaching Volleyball Technical & Tactical Skills (Technical and Tactical Skills Series) Technical Manual, 18th edition (Technical Manual of the American Assoc of Blood Banks) The Technical Director's Toolkit: Process, Forms, and Philosophies for Successful Technical Direction (The Focal Press Toolkit Series) Coaching Baseball Technical and Tactical Skills (Technical and Tactical Skills Series) Coaching Football Technical and

Tactical Skills (Technical and Tactical Skills Series) Oral Presentations for Technical Communication: (Part of the Allyn & Bacon Series in Technical Communication) Technical Editing (5th Edition) (The Allyn & Bacon Series in Technical Communication) Technical Writing Process: The simple, five-step guide that anyone can use to create technical documents such as user guides, manuals, and procedures ELEMENTARY SCIENCE 2000 TRADE LIBRARY WHATS THE BIG IDEA BEN FRANKLIN COPYRIGHT 2000 (Elementary Science Trade Library) Striker Jones: Elementary Economics for Elementary Detectives (Striker Jones Economics for Kids Mysteries Book 1) A Simply Classic Nutcracker: For Elementary to Late Elementary Pianists Praxis II Elementary Education Multiple Subjects 5001 Study Guide: Test Prep & Practice Test Questions for the Praxis 2 Elementary Education Multiple Subjects 5001 Exam Student Solutions Manual to accompany Boyce Elementary Differential Equations 10e & Elementary Differential Equations with Boundary Value Problems 10e Addition Facts Math Practice Worksheet Arithmetic Workbook With Answers: Daily Practice guide for elementary students (Elementary Addition Series) (Volume 1) Subtraction Facts Math Practice Worksheet Arithmetic Workbook With Answers: Daily Practice guide for elementary students and other kids (Elementary Subtraction Series) (Volume 1) Division Facts Math Practice Worksheet Arithmetic Workbook With Answers: Daily Practice guide for elementary students and other kids (Elementary Division Series) (Volume 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)