



practice and measures your overall understanding. 40 flash cards on the Evolve website make it easy to study and review abbreviations, formulas, and conversions from the book. NEW! Next Generation NCLEX® practice problems and case studies progress from simple to complex concepts and are included in chapters throughout the text. NEW! Coverage of heparin drip calculation describes how to calculate and administer an IV weight-based heparin bolus from the IV heparin. NEW! Added IV coverage is included in the IV Flow Rates and IV Flow Rates for Dosages Measured in Units chapters. NEW! Updated drug information and medication labels are added to this edition. RATIO & PROPORTION DOSAGE CALCULATIONS, 2/e offers an exceptional solution for instructors using the ratio and proportions method of dosage calculations. Streamlined in this edition, it walks readers step-by-step through solving dosage problems using this time-tested technique. Unit I provides a firm foundation with a diagnostic arithmetic test, review of basic math skills, and basic concepts in medication administration. Unit II addresses systems of measurement-including metric and household medication systems and conversions. Unit III and Unit IV delve into calculating oral and parenteral medications, solutions, infusions, flow rates, pediatric dosages, and daily fluid maintenance. More than just math skills, this is an introduction to the professional context of safe drug administration. Now in its Sixth Edition, this best-selling text features a highly visual, hands-on approach to learning dosage calculations and principles of drug administration. It presents step-by-step approaches to solving problems and includes dosage problems that simulate actual clinical experience. Each chapter includes numerous examples, self-tests, and proficiency tests. This edition presents all four methods of calculation side by side: ratio, proportion, formula, and dimensional analysis. New material on enteral feedings, heparin infusions, and insulin infusions is included. Drug labels are current, and problems use JCAHO-approved abbreviations. A handy quick-reference plastic pull-out card shows conversions and formulas. Offers instructions and examples for healthcare professionals on how to calculate drug dosages using the dimension analysis, dosage formula, and ratio and proportion methods, and includes diagnostic test questions, illustrations, and two comprehensive examinations. An excellent resource for anyone in or entering the field, market-leading DOSAGE CALCULATIONS: A RATIO-PROPORTION APPROACH, fourth edition, teaches users how to reduce errors while building their confidence in dosage calculation. Extremely reader friendly, the text includes a comprehensive math review, full-color drug labels, and numerous critical thinking assessments. It carefully examines both basic and advanced calculations, including intravenous medications and those specific to the pediatric patient. Reducing the math anxiety that many readers have, the text's unique three-step method of calculating dosages-Convert, Think, Calculate-trains students to approach calculations logically and with a decreased risk of medication errors. The fourth edition reflects the most current drugs and protocol, regulations on medication abbreviations, medication administration technologies, and safe medication practices. Clinical simulations and Clinical Reasoning

Skills scenarios based on QSEN principles help students develop clinical reasoning skills, while Section Examinations include test items formatted like graduate licensure examinations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Clinical Nursing Calculations is an essential text for teaching dosage calculation to undergraduate nursing students. The text employs the CASE approach, which is a step-by-step method for performing dosage calculations. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition. This is a student supplement associated with: Ratio & Proportion Dosage Calculations, 2/e Anthony Giangrasso Ph.D., La Guardia Community College Dolores Shrimpton ISBN: 0133107205 "Introduces Canadian nursing and allied health students to the standard methods used to accurately calculate drug dosages in their care of patients. Provides an overview of the three standard calculation methods and reviews basic arithmetic skills."-- " "Ratio & Proportion Dosage Calculations" provides ease of learning the ratio and proportion method of calculation using a building block approach. Its consistent focus on safety, accuracy, and professionalism make it a valuable part of a course for nursing or allied health programs. It is also highly effective for independent study and may be used as a refresher for dosage calculation skills and as a professional reference. Features: Pearson's Dosage Calculation Tutor with interactive practice questions, animated solutions and more! Content on daily fluid maintenance and titrating medications. Content of heparin and insulin sections. Joint Commission recommendations throughout. PORTABLE! Includes a convenient pocket reminder card. Realistic art program! Full-color labels of the newest drugs link mathematics to clinical practice. Over 1000 practice problems! Including illustrative examples, critical thinking case studies, and comprehensive self-tests. Fully detailed solutions are provided. Notes and Alerts throughout the text highlight concepts and principles for safe and accurate medication calculation and administration. Companion Website provides additional practice questions, case studies and interactive exercises. Incorporating the ratio and proportion, formula, and dimensional analysis methods, this interactive online course presents a complete, step-by-step approach to the calculation and administration of drug dosages. It's organized in a consistent, modular format that is designed to be used with Ogden's Calculation of Drug Dosages, 8th Edition. After you've read topics in the text, turn to the online course for animations, case studies, and interactive self-assessment activities - all designed to provide real-world application and practice. Duration for access to this product, which may be at the discretion of your institution, is up to 36 months. Elsevier reserves the right to restrict or remove access due to changes in product portfolio or other market conditions. Includes three major drug calculation methods (ratio and proportion, formula and dimensional analysis) so you can apply the method which works best for you. Modules provide valuable practice and learning resources, including an overview, objectives, a reading assignment for the topic being covered, example problems, practice

problems, and one or more quizzes. The latest drug administration techniques and devices are discussed, as well as detailed explanations of the various forms of administering drugs, including oral, intravenous, intra-muscular, subcutaneous and other routes used in drug administration. The most up-to-date, commonly used drugs are included, so you have frequent exposure to what is being used in the "real world" of clinical practice. Information on infusion pumps (enteral, single, multi-channel, PCA and insulin) helps you understand their increased use in drug administration. Recommendations from The Joint Commission (TJC) and the Institute for Safe Medication Practices (ISMP) are followed for use of acceptable abbreviations and dose designations, to ensure patient safety and quality of care. Many math practice problems include a tutorial for each of the three drug calculation methods. When one of the solution buttons is chosen, a step-by-step tutorial to solving the problem in the method chosen is initiated for you to view. Animations demonstrate techniques of drug administration such as how to mix two medications in a syringe or withdrawing medication from an ampule. Case studies depict realistic patient scenarios, helping you apply what you've learned to a patient situation. Interactive self-assessment activities allow you to apply your knowledge in context and develop your critical thinking skills. Glossary with over 100 drug calculation- and medical-related terms serves as a quick reference to key definitions. Quizzes within each module can be used to evaluate your mastery of all the major topics covered in that particular module. The easy-to-use Drug Calculations Online, Version 2 is especially designed for nursing students in need of an online drug calculations tool that can be used with any book. This affordable, innovative course features practice problems with step-by-step tutorials for each of the four major drug calculation methods (ratio and proportion, formula, fractional equation, and dimensional analysis), so you can choose your preferred method. Interactive self-assessment activities, such as matching, sequencing, labeling, and multiple select activities, expose you to the types of questions seen on the NCLEX(R) examination. Duration for access to this product, which may be at the discretion of your institution, is up to 36 months. Elsevier reserves the right to restrict or remove access due to changes in product portfolio or other market conditions. Discusses the four major drug calculation methods (ratio & proportion, formula, fractional equation, and dimensional analysis) to expose students to all calculation methods, so they can choose their preferred method. Provides extensive math instruction to help you master the basic skills needed to accurately and effectively calculate drug dosages. Math practice problems with step-by-step tutorials guide you through each of the four drug calculation methods. Interactive self-assessment activities, such as matching, sequencing, labeling, and multiple select activities, are similar to the types of questions seen on the NCLEX(R) examination. Interactive case studies in select modules incorporate real life patient scenarios. Quizzes within each module allow you to test your knowledge of all major topics covered in that particular section. Animations demonstrate concepts related to dosage calculation and drug administration. A comprehensive audio glossary defines pertinent

terms within the course. Modules are organized by topic sections and include an overview, objectives, a reading assignment, example problems, practice problems, quizzes and test bank questions. Coverage includes the most current guidelines for safe medication practice from The Joint Commission (TJC) and the Institute for Safe Medication Practice (ISMP), so certain abbreviations, acronyms, and symbols are not used. Engaging voice-over narration enhances the step-by-step explanation of math skills and drug calculation methods - and livens up instruction and discussion. Content on the latest drug administration techniques and devices, as well as the various forms of administering drugs, including oral, intravenous, intra-muscular, subcutaneous, and other routes used in drug administration. Covers infusion pumps (enteral, single, multi-channel, PCA, and insulin) to help you understand their increased use in drug administration. NEW! Insulin Administration module keeps you in the know. NOTE: Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of the MyLab(tm) and Mastering(tm) platforms exist for each title, and registrations are not transferable. To register for and use MyLab or Mastering, you may also need a Course ID, which your instructor will provide. Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for the MyLab platform may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. For courses in Dosage Calculation and use across the Nursing curriculum. This package includes MyLab Nursing for Dosage Calculations. Basic dosage calculation and administration for nurses Dosage Calculations: A Multi-Method Approach helps students develop the dosage calculation skills they need to administer medications safely and accurately in clinical settings. Using plain language, problem examples, and practice opportunities, the text aims to reduce the anxiety many nursing students express about math. It covers three dosage calculation methods-dimensional analysis, ratio and proportion, and formula. Illustrated examples walk students through dosage problems step by step, using all three methods and often comparing approaches side by side. The content progresses from simple math topics to complex applications for calculating and administering a range of medications. The updated 2nd edition delivers the most up-to-date standards for dosage calculation. It draws on safety recommendations of the Joint Commission's National Patient Safety Goals, the Institute for Safe Medical Practice, and the CDC's One and Only Campaign. Personalize learning with MyLab Nursing for Dosage Calculations MyLab(tm) Nursing for Dosage Calculations is an online self-study and class preparation program designed to engage students and improve results. It reflects the content and organization of Dosage Calculations: A Multi-Method Approach, and includes access to the Pearson eText. 3-2-1 CALC! COMPREHENSIVE DOSAGE CALCULATIONS ONLINE V2.0 is a full, interactive course that teaches the mathematical formulas nurses and other health care workers need to calculate accurate drug dosages. You can compare calculations in all three calculation methods—formula, ratio-

proportion, and dimensional analysis or choose the one method that works best for you. Nine modules thoroughly cover both basic and advanced calculations and you can practice what you've learned by answering practice questions, completing case studies or taking the module tests. Realistic drug labels, interactive syringes and videos complement the range of calculation competencies, from reading medication labels to calculation flow rates for heparin infusion. 3-2-1 CALC! COMPREHENSIVE DOSAGE CALCULATIONS ONLINE V2.0 is an affordable online course that offers clear, step-by-step explanations, a wealth of practice problems, along with interactive exercises, videos, a calculator, testing, and more! Covering the ratio and proportion method of drug calculations, Drug Calculations: Ratio and Proportion Problems for Clinical Practice, 9th Edition provides clear, step-by-step explanations and concise examples to ensure safety and accuracy. Unique to this book, a "proof" step in the answer key lets you double-check your calculation results to avoid medication errors. Safety is also addressed through the inclusion of Quality & Safety Education for Nurses (QSEN) information and with features such as Clinical Alerts and High Alert drug icons calling attention to situations in actual practice that have resulted in drug errors. Written by Meta Brown Seltzer and Joyce Mulholland, this text includes extensive hands-on practice with calculation problems, critical thinking exercises, worksheets, and assessment tests. And to boost your proficiency, a companion Evolve website adds more than 600 additional practice problems. The ratio and proportion method provides a logical, accurate, and consistent method of drug calculation. Step-by-step format for each problem includes a unique "proof" step in the answer key to ensure that you understand the solution. Clinical Alerts highlight potential and common drug calculation errors. Critical thinking exercises help you apply analytical skills and drug calculations to clinical practice. A patient safety chapter enhances your understanding of drug labels, medication administration forms, and physician's order forms. Over 1,100 practice problems offer the extensive practice you need to become proficient in drug calculations. Multiple-choice worksheets within each chapter help you prepare for the NCLEX examination. Worksheets follow each chapter section for additional practice and application of drug calculations. Chapter Finals and a Comprehensive Final let you evaluate your mastery of drug calculations. Current recommendations from The Joint Commission and the Institute for Safe Medication Practices help reduce medication errors and promote patient safety. Quality & Safety Education for Nurses (QSEN) information highlights ways to reduce medication errors. A high-risk medication icon calls attention to medications that have the most potential to cause harm to patients. Updated, full-color drug labels and equipment photos (including pumps and IV equipment) show what you will encounter in the clinical setting. Extensively covering the ratio and proportion method, Drug Calculations: Ratio and Proportion Problems for Clinical Practice, 10th Edition is known for its realistic practice problems and unique "proof" step in the answer key that lets you double-check your answers to avoid medication errors. This text addresses the current issue of patient

safety with respect to accurate drug dosages through the inclusion of QSEN competencies recommendations - and with features such as new Clinical Relevance boxes and Clinical Alerts that call attention to situations in actual practice that have resulted in drug errors. You will get extensive hands-on practice for the NCLEX Exam through the text's calculation problems, critical thinking exercises, worksheets, and assessment tests. Over 1,100 practice problems in ratio and proportion offer the extensive practice needed to become proficient in drug calculations. Step-by-step format for each problem includes a unique Proof step in the answer key to ensure that you understand the solution. Patient Safety chapter helps you prevent medication errors and understand drug labels, medication administration forms, and physician's order forms. Multiple-choice Worksheets within each chapter help you prepare for the NCLEX examination. Critical thinking exercises aid you in applying analytical skills and drug calculations to clinical practice. Clinical Alerts highlight potential and common drug calculation errors. Full-color drug labels and equipment illustrations provide you with a realistic representation of medication administration and what you will encounter in the clinical setting. Detailed coverage of the ratio and proportion method provides a logical, accurate, and consistent method of drug calculation. Worksheets follow each chapter section for additional practice and application of drug calculations. NEW! Vocabulary section at the beginning of each chapter provides you with a convenient reference to definitions of terms used throughout the chapter. NEW! Clinical Relevance boxes integrate medication-related clinical practice concepts, such as: nursing practice, high-risk medications, safety issues, and common administration errors. Extensively covering the ratio and proportion method, Drug Calculations: Ratio and Proportion Problems for Clinical Practice, 10th Edition is known for its realistic practice problems and unique "proof" step in the answer key that lets you double-check your answers to avoid medication errors. This text addresses the current issue of patient safety with respect to accurate drug dosages through the inclusion of QSEN competencies recommendations — and with features such as new Clinical Relevance boxes and Clinical Alerts that call attention to situations in actual practice that have resulted in drug errors. You will get extensive hands-on practice for the NCLEX Exam through the text's calculation problems, critical thinking exercises, worksheets, and assessment tests. Over 1,100 practice problems in ratio and proportion offer the extensive practice needed to become proficient in drug calculations. Step-by-step format for each problem includes a unique Proof step in the answer key to ensure that you understand the solution. Patient Safety chapter helps you prevent medication errors and understand drug labels, medication administration forms, and physician's order forms. Multiple-choice Worksheets within each chapter help you prepare for the NCLEX examination. Critical thinking exercises aid you in applying analytical skills and drug calculations to clinical practice. Clinical Alerts highlight potential and common drug calculation errors. Full-color drug labels and equipment illustrations provide you with a realistic representation of medication

administration and what you will encounter in the clinical setting. Detailed coverage of the ratio and proportion method provides a logical, accurate, and consistent method of drug calculation. Worksheets follow each chapter section for additional practice and application of drug calculations. NEW! Vocabulary section at the beginning of each chapter provides you with a convenient reference to definitions of terms used throughout the chapter. NEW! Clinical Relevance boxes integrate medication-related clinical practice concepts, such as: nursing practice, high-risk medications, safety issues, and common administration errors. This is a student supplement associated with: Ratio & Proportion Dosage Calculations, 2/e Anthony Giangrosso Ph.D., La Guardia Community College Dolores Shrimpton ISBN: 0133107205 This dosage calculations textbook is designed expressly for use in Canadian schools of nursing. It teaches three methods of dosage calculation—ratio and proportion, cross-multiplying of fractions, and formula—using the SI Unit system of measurement. Plentiful sample questions from across nursing care settings with clear use of the three calculation approaches give students immediate opportunity to practice each step taught. Canadian drug trade names are used throughout the text. The book includes self-tests to help students identify areas that require further practice. Make a Note boxes reinforce underlying theory. Keep It Safe boxes emphasize important elements of safe practice. Learn how to make accurate drug calculations and administer medications safely! Calculate with Confidence, 8th Edition makes it easy to understand the three major methods of dosage calculation - ratio and proportion, formula method, and dimensional analysis. Clear, step-by-step instructions guide you through accurate calculation and safe administration of drug dosages. Thousands of practice problems ensure that you gain proficiency, QSEN principles prioritize client safety, and an emphasis on clinical reasoning helps you prevent medication errors. New Next Generation NCLEX® (NGN) case studies help in improving clinical judgment skills. With this popular text from educator Deborah C. Morris, you will learn to calculate drug dosages and administer medications with confidence. Thousands of practice problems ensure that you gain proficiency with drug calculations. Safety Alert boxes help you prevent medication errors and avoid errors in dosage calculation. Tips for Clinical Practice boxes call out information critical to math calculation and patient safety, and summarize best practices in client care (a Clinical Judgment feature for the Next Generation NCLEX®, or NGN). Rule boxes present instructions essential to math calculations and provide the information needed to accurately solve drug calculation problems. Clinical Reasoning Scenarios discuss the safe administration of medications (also a Clinical Judgment feature for the NGN) and help you apply your knowledge to patient care. Comprehensive Post-Test assesses your retention of the "big picture" concepts, with answers located in the back of the book. Review of basic math, pre-tests, and post-tests allow you to evaluate your understanding of the material. Medication Administration chapter covers medication safety, a discussion on client rights, the basic six rights of medication administration, and routes of

medication administration. Chapter review problems test your comprehension of all major topics, with the answers at the end of the chapter. Points to Remember list bulleted key points from the chapter. NEW! Five single-episode Next Generation NCLEX® (NGN) case studies are added to the book. NEW! QSEN content is now included In Unit One, Math Review. NEW! Updated medication labels are included. NEW! Discussion of herbal meds is included in the Medication Administration chapter. NEW! Latest research and information is included in the Insulin, Critical Care Calculations, and Pediatric and Adult Dosage Calculation Based on Weight chapters. NEW! Updated information on the administration of fluids is added. NEW! Updated information and examples of complex I&O problems are added to the Intake and Output section of the text, and it also includes more examples of complex I&O problems. NEW! Updated Medication Index includes the latest drug information and removes drugs that are off the market or are not widely used. Quickly Access Everything You Need to Calculate Dosages Effectively and Ensure Accurate Drug Delivery Current, compact and easy to use, Math for Nurses helps you perfect the basic math skills, measurement systems and drug calculations/preparations essential to successful nursing practice. Packed with real clinical examples and practice problems, this pocket-sized reference guides you step-by-step through the problem-solving and practical applications required in the nursing workplace. A handy pull-out quick reference card delivers fast access to basic equivalents, conversion factors and math formulas. Comprehensive dosage calculation coverage familiarizes you with ratio, proportion, formula and dimensional analysis methods of arriving at calculations. Practice problems throughout the text and review questions at the end of each chapter and unit test your retention and application capabilities. 300 additional Practice Problems and Answers available online through thePoint further enhance learning and retention. Learning Objectives focus your study and review on essential concepts and practices. Critical Thinking Checks help you analyze your results to dosage problems and ensure understanding of key content. Annotation Featuring a math review, a formula method approach, color drug labels, and critical thinking assessments, this text/CD-ROM package covers basic and advanced calculations. This seventh edition includes new questions and labels that reflect current drugs and protocols, new photos of syringes that depict actual needle lengths found in practice, and a new chapter on reconstitution of solutions. The CD- ROM contains review exercises and tests. Pickar is affiliated with Compass Knowledge Group. Annotation (c)2003 Book News, Inc., Portland, OR (booknews.com). Learn how to make accurate drug calculations and administer medications safely! Calculate with Confidence, 8th Edition makes it easy to understand the three major methods of dosage calculation — ratio and proportion, formula method, and dimensional analysis. Clear, step-by-step instructions guide you through accurate calculation and safe administration of drug dosages. Thousands of practice problems ensure that you gain proficiency, QSEN principles prioritize client safety, and an emphasis on clinical reasoning helps you prevent

medication errors. New Next Generation NCLEX® (NGN) case studies help in improving clinical judgment skills. With this popular text from educator Deborah C. Morris, you will learn to calculate drug dosages and administer medications with confidence. Thousands of practice problems ensure that you gain proficiency with drug calculations. Safety Alert boxes help you prevent medication errors and avoid errors in dosage calculation. Tips for Clinical Practice boxes call out information critical to math calculation and patient safety, and summarize best practices in client care (a Clinical Judgment feature for the Next Generation NCLEX®, or NGN). Rule boxes present instructions essential to math calculations and provide the information needed to accurately solve drug calculation problems. Clinical Reasoning Scenarios discuss the safe administration of medications (also a Clinical Judgment feature for the NGN) and help you apply your knowledge to patient care. Comprehensive Post-Test assesses your retention of the "big picture" concepts, with answers located in the back of the book. Review of basic math, pre-tests, and post-tests allow you to evaluate your understanding of the material. Medication Administration chapter covers medication safety, a discussion on client rights, the basic six rights of medication administration, and routes of medication administration. Chapter review problems test your comprehension of all major topics, with the answers at the end of the chapter. Points to Remember list bulleted key points from the chapter. Incorporating the ratio and proportion, formula, and dimensional analysis methods, this online course presents a step-by-step approach to the calculation and administration of drug dosages. This Drug Calculations Online course is designed to be used with the 4th edition of Gray: Calculate with Confidence. Once students have read topics in the text, the online course provides them an opportunity for application and practice. Animations, voice-overs, and interactive self-assessment activities are used to provide an engaging and interactive course platform for students. This course includes practice problems to promote active learning and quizzes that instructors can use to evaluate students' understanding of content presented in the course. A comprehensive test bank of approximately 300 questions is also provided for instructor's to build quizzes and test. Includes three major drug calculation methods (ratio and proportion, formula (2 types) and dimensional analysis) to give students the option of choosing the method which works best for them. Each module is organized by topic sections that include an overview, objectives, a reading assignment for the topic being covered, example problems, practice problems, and one or more quizzes. Follows recommendations from the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and the Institute for Safe Medication Practices (ISMP) for use of acceptable abbreviations and dose designations. Many of the math practice problems include a tutorial for each of the three drug calculation methods. When one of the solution buttons is chosen, a step-by-step tutorial to solving the problem in the method chosen is initiated for the student to view. Animations are used throughout this course to demonstrate various concepts related to dosage calculation and drug administration. Some animations will

require student participation such as using the mouse to move the plunger on a syringe. Interactive self-assessment activities related to various topic areas are incorporated throughout the course to allow the student to apply their knowledge in context. Voice-overs are used throughout the course to enhance the step-by-step explanation of medication administration procedures and the drug calculation methods demonstrated throughout the course. Quizzes are included within each module that instructors can use to evaluate students' understanding of all the major topics covered in that particular module. A comprehensive test bank of approximately 300 questions, organized by module, will be provided for instructor's to build quizzes and tests. Terminology is defined within the content for easy reference. Provides the latest drug administration techniques and devices and detailed explanation of the various forms of administering drugs, including oral, intravenous, intra-muscular, subcutaneous and other routes used in drug administration. This allows the student to become more knowledgeable about the specifics of each technique. Includes the most up-to-date, commonly used drugs so students have exposure to what is being used in the "real world" of clinical practice. Presents information on infusion pumps (enteral, single, multi-channel, PCA and insulin) to help students understand their increased use in drug administration. Drug Calculations Online to accompany Calculate with Confidence is a NEW drug calculations online course! Score your highest in a medical dosage calculations course A recent shortage of nurses in a society with an aging population has triggered the demand for students to enter the field of medical study. A dosage calculations course is required for most students earning an applied science degree in nursing, pharmacology, or paramedic programs. Medical Dosage Calculations For Dummies tracks a typical dosage calculations course and provides helpful content in an approachable and easy-to-understand format. Plus, you'll get examples of the various calculations made to determine the appropriate quantity of drug or solution that should be administered to patients. Calculating drug dosages utilizing ratio-proportion, formula, and dimensional analysis Systems of measurement, including metric and apothecary and other conversion equivalents for a global audience The ins and outs of the charting systems for MAR (Medicine Administration Records) If you're one of the hundreds of thousands of students aspiring to enter the medical field, Medical Dosage Calculations For Dummies is your ticket for scoring your highest on exams. Welcome to the second edition of our dosage calculations book! Are you a nursing student, or nurse, who wants to learn a few simple methods of solving dosage calculations without a bunch of formulas? Would you like to raise your hand in your dosage calculation class, after the instructor explains a complicated formula, and ask to approach the white board to show the class a much simpler method? Do you want to go on your clinicals knowing that you have a solid foundation in dosage calculations? Do you want to walk into your Nursing Calculations Class on the first day knowing that you can ace all the tests before the course begins? If you answered yes to any of these questions, this book is for you! The book is divided into seven units containing thirty-five chapters. Unit 1:

Essential Skills: You can't learn to drive a car if you don't understand the function of the steering wheel. The same applies to the following subjects when learning dosage calculations. The Metric System Apothecary/Avoirdupois/Household Systems Ratios Dimensional Analysis (DA) and Ratio Proportion (RP) Rounding Numbers Military Time Unit 2: Auxiliary Subjects: Roman Numerals Scientific Notation Unit 3: Unit Conversions Unit 3 covers converting between and within the various systems of measurement using dimensional analysis and ratio proportion. Unit conversions Within the Metric System Unit Conversions Within the Household System Unit Conversions Between Metric, Household and Apothecary Systems Unit Conversions Involving Pounds and Ounces Unit Conversions Involving Hours and Minutes Unit 4: Dosage Calculations Unit 4 builds on the knowledge gained in the previous units and covers dosage calculations, starting with the terminology and set up of problems, then progressing from easy, one-step, problems through multi-step problems. Dosage Calculations-The Basics Dosage Calculations Levels 1-3 Body Surface Area Dosing Calculations Pediatric Dosage Calculations Pediatric Maintenance Fluid Replacement Calculations Unit 5: IV Flow Rate Calculations Unit 5 starts with the basic terminology and set up of IV flow rate problems, then moves on to: Simple and Advanced Problems IV Flow Rate Adjustment Calculations Heparin Infusion and Adjustment Calculations Unit 6: Percent and Ratio Strength Calculations Percent, Percent Strength Percent Change Ratio Strength Unit 7: Miscellaneous Subjects Reconstitution Calculations Concentrations and Dilutions Milliequivalent Calculations Dosage Calculations Puzzles Self-Assessment Exam The book contains over 600 high quality practice problems with answers. We look forward to your feedback! Chase Hassen and Brad Wojcik This comprehensive learning system has set the standard in teaching dosage calculations and now, for the first time, a ratio-proportion method edition is available. It incorporates the strengths of the original--clear writing style, extensive math review, beginning to advanced concepts presented in manageable segments, and hundreds of practice problems. The CD-ROM encourages self-paced learning in a low-anxiety environment that reinforces the classroom material. Trust this market-leading ratio and proportion text that's known for its realistic practice problems and unique "proof" step in the answer key that allows you to double-check your answers to avoid medication errors. This edition continues to promote critical thinking, clinical judgment, and patient safety with respect to accurate drug dosages. Helpful worksheets, assessment tests, and Clinical Alerts call attention to situations in actual practice that have resulted in drug errors — giving you extensive hands-on practice for the Next Generation NCLEX® and beyond. More than 1,100 ratio and proportion problems offer the extensive practice you need to become proficient in this method of drug calculation. Step-by-step format for each problem includes a unique "proof" step in the answer key to ensure you understand the solution. End-of-chapter practice tools include general worksheets, multiple-choice worksheets, critical thinking exercises, chapter finals, and a chapter answer key. Safe Medication Administration chapter

helps you prevent medication errors and understand drug labels, medication administration forms, and provider order forms. Clinical Alerts highlight potential and common drug calculation errors. Full-color drug labels and equipment illustrations provide a realistic representation of medication administration. NEW! Next Generation NCLEX® (NGN)-style questions in select chapters include answer keys with rationales for correct answers. NEW! Coverage incorporates the 2020 Hospital National Patient Safety Goals of identifying patients correctly, using medications safely, and preventing infection. UPDATED! The latest drug information throughout reflects current practice. UPDATED! Vocabulary definitions feature the most current terms and advances in drug administration. Offers a drug calculation work text designed to provide a systemic review of mathematics and a simplified method of calculating drug dosages. Ogden and Fluharty include information on the dimensional analysis, ratio and proportion, and formula methods of drug calculation, as well as numerous practice problems. --From publisher description. This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. For courses in Dosage Calculation and use across the Nursing curriculum. Basic dosage calculation and administration for nurses Dosage Calculations: A Multi-Method Approach helps students develop the dosage calculation skills they need to administer medications safely and accurately in clinical settings. Using plain language, problem examples, and practice opportunities, the text aims to reduce the anxiety many nursing students express about math. It covers three dosage calculation methods--dimensional analysis, ratio and proportion, and formula. Illustrated examples walk students through dosage problems step by step, using all three methods and often comparing approaches side by side. The content progresses from simple math topics to complex applications for calculating and administering a range of medications. The updated 2nd edition delivers the most up-to-date standards for dosage calculation. It draws on safety recommendations of the Joint Commission's National Patient Safety Goals, the Institute for Safe Medical Practice, and the CDC's One and Only Campaign. Also available with MyLab Nursing for Dosage Calculations MyLab™ Nursing for Dosage Calculations is an online self-study and class preparation program designed to engage students and improve results. It reflects the content and organization of Dosage Calculations: A Multi-Method Approach, and includes access to the Pearson eText. Note: You are purchasing a standalone product; MyLab Nursing for Dosage Calculations does not come packaged with this content. Students, if interested in purchasing this title with MyLab Nursing for Dosage Calculations, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab Nursing for Dosage Calculations, search for: 0134858077 / 9780134858074 Dosage Calculations: A Multi-Method Approach Plus MyLab Nursing with Pearson eText -- Access Card Package, 2/e Package consists of: 0134454138 / 9780134454139 MyLab Nursing with Pearson eText --

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and confidently calculate drug dosages. Innovative and practical, it includes information on the ratio and proportion, formula and dimensional analysis methods of drug calculation, and numerous practice problems to accompany these methods. Ideal for students who need an extensive math review in addition to drug calculations content, this new edition features a more logical organization, a new chapter addressing medication administration to critically ill patients, and more practice problems on calculations for pediatric patients. Learning objectives help students focus on key content as they read and study. Chapter worksheets provide students the opportunity to practice solving realistic problems. Posttests help students identify their areas of strengths and weaknesses. Full-color drug labels provide a more realistic representation of medication administration. A comprehensive posttest at the end of the book helps students assess their knowledge of the calculation of drug dosages. A comprehensive glossary defines important terms. A new chapter on Critical Care IV Flow Rates addresses medication administration to critically ill patients. Content has been reorganized to create a more logical flow for learning. Approximately 20 more practice problems have been added on calculations for pediatric patients. This best-selling text features a highly visual, hands-on approach to learning dosage calculation and principles of drug administration. With the step-by-step approach to solving problems and in-chapter exercises, provides the opportunity for students to gain ability and confidence in the material before proceeding to the next concept. Over 70 Calculations in Action Animations provide step-by-step demonstrations of how to solve equations presented in the text.

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