

paramedic drug calculation practice

[#paramedic drug calculation](#) [#EMS medication dosage practice](#) [#medical math for paramedics](#) [#drug dosage calculations for EMTs](#) [#paramedic pharmacology practice](#)

Enhance your critical skills with our comprehensive paramedic drug calculation practice, essential for ensuring patient safety and accurate medication administration in emergency medical services. This resource provides vital training for paramedics and EMTs to master complex dosage calculations, reinforcing competency in pharmacology and real-world clinical scenarios.

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Paramedic

"I love math!" "I hate math!" Whether you're a math aficionado or someone who cringes at calculations, Paramedic: Calculations for Medication Administration will make you a master of paramedic math. This textbook teaches the basic principles of mathematics and applies these principles to cases that paramedics face on the job. Chapters cover math rules and principles; fractions, decimals, and percentages; ratios, proportions, and conversion factors; and rate-dependent and weight-based calculations. Practice problems are scattered throughout the chapters; students practice as they go. Every chapter highlights how paramedics can make use of the math knowledge that they already have in order to solve more complicated problems. Chapters begin with the simple and obvious, and progress to the level used in the field. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

EMS Dosage Calculation: Math Review and Practice for Paramedics

Kaplan's EMS Dosage Calculation provides clear concept review, practice questions, and detailed explanations to help you master the math you need to correctly administer medications. Whether you're an EMT or a paramedic, Kaplan's practical guide provides expert advice for learning and practicing dosage calculation. Essential Practice Diagnostic quiz to identify your strengths and weaknesses so you can focus your review Practice problems for oral, IV, and parenteral medication administration Dosage calculation practice using dimensional analysis, ratio-proportion, and formula methods Easy-to-follow examples and step-by-step explanations Chapter quizzes with detailed answer keys for immediate feedback Calculation space throughout to work the practice problems Expert Guidance We invented test prep--Kaplan (www.kaptest.com) has been helping students for almost 80 years. Our proven strategies have helped legions of students achieve their dreams.

Paramedic Med-Math Made Easy

As an emergency care professional, you save lives every day. And, while physicians will order various medications to be administered, he or she may not know the strengths or amounts of medication you have available in your ambulance. You, therefore, must convert what you have on hand into an equivalent dose to match the physician's orders. Paramedic Med-Math Made Easy provides step-by-step instructions for the most common, every day formulas you'll use in the field. In its easy to understand format, you'll quickly grasp how to convert pounds to kilograms, teaspoons to milliliters, or grams to milligrams. With the equivalents and formulas laid out, Paramedic Med-Math Made Easy then provides examples showing how formulas are used, along with guidelines to help you understand each calculation. Also included are practical-application problems and their answers. Each scenario illustrates how the application or conversion should be set up, so you can clearly see and understand how the calculation works and where pitfalls may occur. Admittedly, you can choose among several math formula methods to calculate proper doses to administer. Most important, though, is deciding what method works best for you-the one that prevents you from making any errors. Paramedic Med-Math Made Easy will help you do just that.

Dosage Calculations for Nursing Students

This is the official textbook on dosage calculations for nursing students created by Nurse Academy. Looking for the best dosage calculation book on Amazon? Look no further! For those struggling with basic and more complex nursing calculations, this is an essential text. This book represents a significant change in Nursing Practices with chapters being rearranged and consolidated. It is also designed to help nursing students to practice the math relevant to administering drugs in the normal course of a drug round. As much as it is not designed to be difficult, it will make students think. The list of decimals, fractions, and percentages given in the book are something you must learn. Most nurses and practitioners have already covered this at school. The book has employed the CASE approach, which is a step-by-step method for performing dosage calculations, drawn by the author from extensive experience across the continuum of care to bring a truly informative and dynamic resource to the readers. The book is presented in an order which follows a logical and sequential tract. Examples are offered and each chapter is interspersed with exercises for the reader to test their understanding. The review of Basic Calculations has been well revised, with more explanations and elaborations included in the worked examples. The three methods of dosage calculation are presented side-by-side in table format for every dosage calculation, updated chapter references, updated content for dosing, and safe injection practices per CDC Guidelines and the Joint Commission. New information on heparin dosage protocol to reflect clinical environment practices has also been included. The chapters are devoted to the review of basic calculations, dosages of oral medications, drug doses for injection, intravenous infusion, and pediatric doses. This is a very useful book for nursing students who often wrestle with the complexities and nuances of drug calculation and administration. It works well as either a reference or as a read through. I would not recommend reading this book in one sitting; otherwise, numbers, facts, and figures will begin to blur into one. Throughout the book, drug dosages have been revised and updated. It must be noted that the aim of Nursing Calculations is to teach relevant skills in arithmetic and this book is not meant to be used as a pharmacology reference. We look forward to your feedback! Nurse Academy

Paramedic Med-Math Made Easy

As an emergency care professional, you save lives every day. And, while physicians will order various medications to be administered, he or she may not know the strengths or amounts of medication you have available in your ambulance. You, therefore, must convert what you have on hand into an equivalent dose to match the physician's orders. Paramedic Med-Math Made Easy provides step-by-step instructions for the most common, every day formulas you'll use in the field. In its easy to understand format, you'll quickly grasp how to convert pounds to kilograms, teaspoons to milliliters, or grams to milligrams. With the equivalents and formulas laid out, Paramedic Med-Math Made Easy then provides examples showing how formulas are used, along with guidelines to help you understand each calculation. Also included are practical-application problems and their answers. Each scenario illustrates how the application or conversion should be set up, so you can clearly see and understand how the calculation works and where pitfalls may occur. Admittedly, you can choose among several math formula methods to calculate proper doses to administer. Most important, though, is deciding what

method works best for you-the one that prevents you from making any errors. Paramedic Med-Math Made Easy will help you do just that.

Drug Calculations

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.

Drug Calculations - E-Book

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.

Medical Dosage Calculations For Dummies

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.

Drug Dosage Calculations for the Emergency Care Provider

Utilizing a simple, systematic approach, this comprehensive and practical book provides readers with all the tools necessary to solve just about every type of dosage and calculation problem. A step-by-step approach guides learners through the areas that pose the greatest challenges: mathematics, systems of measurement, the metric system, and systematic drug dosage calculation problem solving. Section I focuses on fractions and basic algebra functions essential to understanding and solving drug dose calculation. Section II discusses the history of systems of measurement, reviews the old customary system, and provides a complete explanation of the metric system and the federally approved rules governing the metric system in the United States. Section II explains in detail each type of dosage calculation problem that may be encountered in the emergency setting, with each chapter providing the building blocks for the next For the special group of professionals who dedicate themselves to the service of emergency patients.

Introduction to Drug Calculations

Finally, a drug calculations manual for PARAMEDICS!! Written by a paramedic instructor with over 20 years of experience in EMS, this manual provides the simple instructions needed to tackle one of the most stressful phases of Paramedic school. A few years ago, the author noticed an unacceptable lack of proficiency in drug calculations from paramedic students. Since he developed this step by step manual, his students' grades increased from 50's and 60's to 90's and 100's! Introduction to Drug Calculations uses a step-by-step process to build your skills from the ground up starting with the basics of the metric system and finishing with IV infusions. The manual also contains valuable reference material and "short cuts" to help you in school and on the streets.

Paramedic

This work teaches the basic principles of mathematics and applies them to cases that paramedics face in the field. Chapters cover maths rules and principles, ratios, proportions and conversion factors, fractions, decimals and percentages. Practice problems are scattered throughout.

Easy 4-step Method to Drug Calculations

This resource makes the difficult concept of drug dosage calculations easy to understand and master by utilizing a simple four-step method that focuses only on the information necessary for learning the skill. It has been class tested on hundreds of students. KEY TOPICS: Hundreds of practice problems are included that incorporate realistic patient scenarios, protocols, and the latest trends in treatment management. A worked out answer section clearly shows the step by step process of problem solving. Topics include: Calculating the Desired Dose, Calculating the Concentration, Calculating the cc's, Calculating the Drip Rate. A Final Review Section tests comprehension. MARKET: Paramedics, nurses, students, and any other healthcare professional who administers medication.

Prehospital Emergency Pharmacology

This pharmacology book and handy reference is a complete guide to the most common medications used in prehospital care. It reflects current trends in prehospital care and the most recent drug information. This revision will update the book to cover the current AHA guidelines for cardiac care and will be updated to include the most recent drug information available. Chapter topics include pharmacokinetics and pharmacodynamics; administration of drugs; drug dosage calculations; fluids, electrolytes, and IV therapy; the autonomic nervous system; drugs used in the treatment of emergencies: cardiovascular, respiratory, metabolic-endocrine, neurological, obstetrical and gynecological, toxicological, behavioral, and gastrointestinal; and drugs used in pain management. For practicing paramedics.

Paramedic Practice Today: Above and Beyond: Volume 1

Providing the tools you need to succeed, Volume 1 of Paramedic Practice Today: Above and Beyond offers a solid foundation for paramedic practice and is now updated to reflect the 2010 emergency cardiovascular care guidelines. A conversational, easy-to-read style simplifies topics and helps you master National Standard Curriculum objectives and meet the new National Education Standards. It includes a companion DVD-ROM with step-by-step videos demonstrating the skills in the textbook and more. Because this book corresponds to the National Registry of EMTs National EMS Practice Analysis, it provides you with the best possible preparation for the National Registry exam. Unique! The new National Education Standards are referenced, as well as the National Standard Curriculum objectives. Unique! This textbook addresses the tasks in the NREMT 2004 National EMS Practice Analysis, which is the foundation for the NREMT exam. Four-part case scenarios appear in each chapter, and emphasize patient comfort and care: 1) an introduction sets up the scenario and asks questions, 2) the scenario continues, following the treatment of the patient and asking more questions, 3) the conclusion resolves the scenario and asks more questions, looking back on decisions that you've made, and 4) the summary answers all of the questions presented in parts 1-3. 35 skill sequences show each action with illustrated, step-by-step instructions. A companion DVD-ROM shows video clips of key skills in the book, along with medical animations, lectures, and skills video clips from other Elsevier titles. Pediatric Pearl boxes call attention to the differences for pediatric patients. Geriatric considerations are highlighted in special boxes to draw attention to the differences for elderly patients. Cultural Considerations boxes highlight helpful tips for interacting with people of various cultures. Paramedic Pearl boxes highlight important information from the text. An anatomy and physiology review begins chapters as needed, and for specific conditions, those chapters also include a description/definition, etiology, epidemiology and demographics, history, physical findings, differential diagnosis, therapeutic interventions, patient/family education, and prehospital pearls. Chapter Summaries are bulleted to help you review important information. Key Terms are defined in the terminology section at the end of each chapter for easy review before exams. Quizzes end each chapter, with answers and rationales at the back of the textbook. Unique tools include a plastic heart rate ruler and a laminated 12-lead placement card. A comprehensive index and 2,222-term glossary cover all the content in Volumes 1 and 2, allowing you to quickly find key terms and topics. Herbal and drug indexes cover 50 herbal supplements and approximately 100 drugs.

Pharmacology for the Prehospital Professional

The only problem-based approach to prehospital pharmacology! Gain a complete, practical understanding of pharmacology for the most effective patient care in prehospital settings with this innovative resource. Pharmacology for the Prehospital Professionals provides a unique problem-based approach to the administration techniques you need to provide quality prehospital emergency medical care. Clinical scenarios present case information just as you will learn it in the classroom and encounter it in the field, and help you develop problem-solving skills using the same methods applied in real prehospital settings. A JB Course Manager resource is available to accompany this title. JB Course Manager is an easy-to-use and fully hosted online learning platform. For additional information, or to make your request, contact your Account Specialist or visit <http://go.jblearning.com/JBCM>.

Med Math Simplified - Second Addition

Struggling with medication math in nursing or paramedic school? Worried you've calculated the wrong medication dose for your patient? This book is for you. Med Math Simplified represents the hard lessons learned by the author while becoming a paramedic and later a nurse. It uses the concepts of dimensional analysis with a good old common sense approach to learning the math and formulas needed to safely and correctly arrive at drug doses for your patients. This book was originally created as part of an online video course where Jamie took viewers on a step-by-step tour of the problems and equations in the program. Many of his audience members wanted a resource they could take with them after the course to review and practice the skills learned in the video program. Thus the eBook and paperback book versions of the program were born.

Dosage Calculations for Nursing Students

This is the official textbook on dosage calculations for nursing students created by Nurse Academy. Looking for the best dosage calculation book on Amazon? Look no further! For those struggling with basic and more complex nursing calculations, this is an essential text. This book represents a significant

change in Nursing Practices with chapters being rearranged and consolidated. It is also designed to help nursing students to practice the math relevant to administering drugs in the normal course of a drug round. As much as it is not designed to be difficult, it will make students think. The list of decimals, fractions, and percentages given in the book are something you must learn. Most nurses and practitioners have already covered this at school. The book has employed the CASE approach, which is a step-by-step method for performing dosage calculations, drawn by the author from extensive experience across the continuum of care to bring a truly informative and dynamic resource to the readers. The book is presented in an order which follows a logical and sequential tract. Examples are offered and each chapter is interspersed with exercises for the reader to test their understanding. The review of Basic Calculations has been well revised, with more explanations and elaborations included in the worked examples. The three methods of dosage calculation are presented side-by-side in table format for every dosage calculation, updated chapter references, updated content for dosing, and safe injection practices per CDC Guidelines and the Joint Commission. New information on heparin dosage protocol to reflect clinical environment practices has also been included. The chapters are devoted to the review of basic calculations, dosages of oral medications, drug doses for injection, intravenous infusion, and pediatric doses. This is a very useful book for nursing students who often wrestle with the complexities and nuances of drug calculation and administration. It works well as either a reference or as a read through. I would not recommend reading this book in one sitting; otherwise, numbers, facts, and figures will begin to blur into one. Throughout the book, drug dosages have been revised and updated. It must be noted that the aim of Nursing Calculations is to teach relevant skills in arithmetic and this book is not meant to be used as a pharmacology reference. We look forward to your feedback!

Nurse Academy

Paramedic Principles and Practice in the UK - E-Book

Paramedic Principles and Practice in the UK is a key textbook designed to support paramedicine students in this country throughout their studies. The volume takes a practical approach, with case histories covering a broad range of clinical presentations and treatments, all incorporating a patient-centric perspective that acknowledges the longer patient journey. This must-have textbook will not only arm readers with technical knowledge and expertise, but also with the non-technical principles of the profession, developing future paramedics who are able to provide a safe and effective management plan in the out-of-hospital environment. Aligned to UK paramedicine curricula More than 40 detailed case studies covering essential pathologies most commonly seen by UK paramedics, as well as less typical scenarios Evidence-based clinical decision-making models to support paramedics in practice Essential physiological concepts to help readers bridge the gap from principles to practice Focus on the wellbeing of both the patient and the paramedic Useful appendices including medications commonly encountered in paramedic settings

Paramedic Crash Course with Online Practice Test

REA's Paramedic Crash Course® Everything You Need for the Exam – in a Fast Review Format! From the Author of REA's Best-selling EMT Crash Course® REA's Paramedic Crash Course® is the only book of its kind for the last-minute studier or any prospective Paramedic who wants a quick refresher before taking the National Registry Paramedic (NRP) Exam. Targeted, Focused Review – Study Only What You Need to Know Written by Dr. Christopher Coughlin, an EMS Program Director and paramedic with 27 years of experience, Paramedic Crash Course® relies on the author's careful analysis of the exam's content and actual test questions. It covers only the information tested on the exam, so you can make the most of your valuable study time. Our fully indexed targeted review covers all the official test categories including airway and breathing, medical emergencies, trauma, special patients, and EMS operations. Expert Test-taking Strategies Our experienced author explains the structure of the exam, so you know what to expect on test day. He also shares detailed question-level strategies and shows you the best way to answer questions. By following our expert tips and advice, you can score higher on every section of the exam. Full-length Online Practice Exam The book comes with a true-to-format online practice test with diagnostic feedback, topic-level scoring, and detailed answer explanations to help students gauge their test-readiness. No matter how or when you prepare for the Paramedic Exam, REA's Paramedic Crash Course® will show you how to study efficiently and strategically, so you can get a great score!

Fundamentals of Pharmacology for Paramedics

Fundamentals of Pharmacology for Paramedics provides students with the insight and understanding of pharmacological essentials needed to respond effectively to the patients' needs. This textbook will help students improve, expand, and enhance their expertise and the overall health and wellbeing of their patients, while boosting their self-confidence as paramedics in the process. This textbook integrates the extensive knowledge of pharmacology into a workable and accessible plan of care that will help to improve patient care. The book also includes: Thorough introductions to pharmacology and how to use pharmaceutical, and prescribing reference guides Comprehensive explorations of the legal and ethical issues of pharmacology within paramedicine and the role of the paramedic in medicines management Practical discussions of pharmacodynamics, pharmacokinetics, drug formulations, and adverse drug reactions In-depth examinations of a wide variety of medicines, including analgesics, antibacterials, and medications used in the cardiovascular, renal, respiratory, gastrointestinal, and nervous systems Written for students of paramedicine, Fundamentals of Pharmacology for Paramedics would also prove an indispensable resource for practicing paramedics seeking a practical, one-stop reference on a challenging subject.

Gatford and Phillips' Drug Calculations, E-Book

This bestselling pocketbook makes calculating medicine easy. Now in its tenth edition, it has been revised as a practical guide to rapid and accurate drug calculations for all health professionals who prescribe, supply and administer medication. Gatford's Drugs Calculations supports the fundamental mathematical skills needed on the wards, then goes further to provide context and tips for application. With examples taken from everyday practice, readers will learn calculations for administering injections, tablets and mixtures, intravenous infusions, and safe dosages for children and the elderly. Not only will this essential aid boost your healthcare numeracy and confidence, the skills you develop will ensure patient safety when calculating drugs for which you are responsible and accountable in future. Case scenarios and practical examples bring drug calculations to life Introduction to the forms of medications – solid, liquid, infused and paediatric – enhances reader knowledge Covers medication administration concepts, mathematical formulas and pharmacokinetics related to calculating the bioavailability of medications Safety messages and alerts ensure patient safety 'Super case' follows patient through the lifespan to consolidate learning Images and icons make the text easy to navigate

Dosages and Calculations

This text will prepare the reader to calculate correct doses of medications. Geared towards health professionals - physical therapists, and physician assistants - this competency-based manual gives a clear and concise approach to the study of dosages. Working knowledge of basic mathematical skills are necessary to begin, but as the text progressively builds from simple problems to more complex problems, the reader will soon learn to master the material.

Drug Calculation Workbook

Drug Calculations Workbook provides the reader with further examples of drug calculation problems, as described and discussed in the accompanying textbook "Basic Drug Calculations" (John England, Amazon Publishing). Aimed at all healthcare professionals, such as nurses, doctors, paramedics, and perioperative technicians and practitioners, the subject matter is highly relevant, and addresses the need to practise typical drug calculation problems, from the most basic, up to problems which might be considered at an intermediate level of difficulty, and of a type likely to be encountered on interview drug calculation assessment tests. More advanced types of drug calculation, such as molar measurements, are not addressed here. Instead, they can be found in my other publication - "Pass Your Drug Calculation Test" (John England, Amazon Publishing).

Drug Calculations for Nurses

This new edition of Drug Calculations for Nurses teaches healthcare professionals how to perform drug calculations with confidence and competence. It provides step-by-step guidance to carry out accurate drug calculations, with units and drug strengths clearly explained. This bestselling pocket-size book begins with the basic mathematical skills required to perform calculations, including tips on estimating answers. It then covers drug strengths and concentrations, dosage calculations, IV infusion therapies, and pharmacodynamics and pharmacokinetics. Separate chapters focus on children, adults and the elderly, addressing specific challenges encountered in these populations, with new content on pregnancy, and renal and liver function. Helpful worked examples, key points, and objectives are included in every

chapter, and this new edition includes more calculations for prescribing and patient-focused scenarios. The companion website, www.drugcalcsnurses.co.uk, provides a comprehensive test bank, with a pre-test and revision test to identify strengths and weaknesses, along with additional practice questions for readers to test themselves on. Designed for students and practitioners in nursing, midwifery and allied health, this textbook enables readers to improve their numeracy skills for clinical practice and develop their understanding of the broader context for these calculations.

Dosage Calculations for Medical Careers

Dosage Calculations for Medical Careers teaches the skills and techniques medical assistants, licensed practical nurses, pharmacy technicians, and paramedics need to calculate the amount of medication they should administer to patients. Students learn to calculate dosages based on ratio proportions, fraction proportions, the formula method, and dimensional analysis.

Paramedic Principles and Practice ANZ - E-Book

Paramedic Principles and Practice ANZ: A clinical reasoning approach explores the principles of clinical practice for paramedics working in Australia and New Zealand today. The text is an invaluable resource for both students and paramedics working in the emergency environment where critical decisions must be made quickly and confidently. Organised into three sections - Paramedic Principles, Paramedic Practice and Essential Knowledge — this resource promotes an understanding of basic physiology, clinical decision making and application to practice. It emphasises the importance of professional attitudes and behaviours, clinical competence, teamwork and communication skills, equipping the reader with the skills required to become an effective paramedic. ? First paramedic-specific text for Australia and New Zealand ? Evidence-based clinical decision-making model ? A wealth of detailed case studies that help bridge the gap from principles to practice ? More than 40 essential pathologies covering common paramedic call-outs ? Focus on the wellbeing of the patient and the paramedic ? Appendices comprising a professional role guide and medications commonly encountered in the paramedic setting

Calculation of Drug Dosages - E-Book

Master the critical skills necessary to competently and confidently calculate drug dosages using Calculation of Drug Dosages. Written by Sheila J. Ogden, MSN, RN and Linda Fluharty, RNC, MSN, this updated 9th Edition provides you with an extensive review of essential math concepts before introducing and clearly explaining the ratio and proportion, formula, and dimensional analysis methods of drug calculation. The book's popular "worktext" format builds on concepts as you go and reinforces what you learn with over 1,800 practice problems. Identify your strengths and weaknesses with an extensive math review, covering the basic math skills essential for accurate calculation of drug dosages. Use chapter worksheets to practice solving realistic problems. Assess your understanding of chapter content using post-tests at the end of each chapter. Retain content more easily and build on your prior knowledge through a logical organization. Get additional practice and accurately gauge your overall understanding with a comprehensive post-test at the end of the book. Stay focused with learning objectives that explain what you should accomplish upon completion of each chapter. Know the latest drugs and technology used in the market with updated drug labels and equipment photos. Study at your own pace with 25 flash cards, now on Evolve, containing abbreviations, formulas, and conversions from the book. Check your work and see your mistakes with a detailed step-by-step answer key. Tap into a new chapter on obstetric dosages that provides you with practice problems using medications unique to this important nursing subspecialty. Use alert boxes that call attention to information crucial to math calculation and patient safety. Stay current with new content on Intake and Output (I & O). Reduce medication errors and increase patient safety via updated guidelines for The Joint Commission and Institute for Safe Medication Practice. Recognize the implications of drug accuracy with more drug labels added to critical care practice problems. Access Evolve online resources where you'll see 5-10 new practice problems related to each chapter and the new updated Drug Calculations Companion (Version 4), featuring an interactive student tutorial that includes an extensive menu of various topic areas within drug calculations such as oral, parenteral, pediatric, and intravenous calculations to name a few. And over 600 practice problems cover ratio-proportion, formula, and dimensional analysis methods.

Studyguide for Paramedic

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780763746834 .

Drug Calculations for Nurses: A Step-by-Step Approach

This best-selling pocket-sized book helps you perform drug calculations with confidence and competence. The completely updated third edition includes community practice and primary care settings, and a whole new section on pharmacology and medicines to put drug calculations into context. Starting with the basic mathematical skill

Fundamentals of Paramedic Practice

Driven by changes to clinical practice, new evidence-based research, and shifts in global economics and politics, the field of paramedic science is rapidly evolving. This new edition of Fundamentals of Paramedic Practice offers students and recently qualified practitioners an accessible and comprehensive introduction to paramedic science and pre-hospital care, providing expert and up-to-date guidance on the essential theories and real-world practice of this dynamic area of emergency medicine. Assuming no prior knowledge of the subject, this user-friendly textbook provides broad and inclusive coverage of topics including professionalism, law and ethics, assessment skills, research methods, pharmacology and more. Contributions from experienced paramedics and clinicians, contemporary case studies, full-colour illustrations and powerful pedagogical tools help students gain a thorough understanding of the essential components of paramedic practice. Employs a comprehensive, multi-disciplinary approach to the study of paramedic practice, presenting theoretical and clinical topics in a straightforward and student-friendly manner New chapters on toxicology, medical terminology and low acuity care in paramedicine, with an increased focus on mental health Includes new end-of-chapter learning activities and quizzes, case studies and references, charts and diagrams Fundamentals of Paramedic Practice: A Systems Approach is an invaluable resource for undergraduate paramedic and emergency care students as well as qualified paramedics, clinicians and educators seeking an authoritative reference on current practice.

Drug Calculations

This resource provides all the information, explanation, and practice needed to competently and confidently calculate drug dosages. The content features extensive coverage of the ratio and proportion method of drug calculation in a full-color workbook, including a logical step-by-step format for all problems and a "proof" step in the answer key to ensure that the users understand each calculation. Each copy is packaged with the Daugherty & Romans' Dosages and Solutions CD-ROM companion.

Calculation of Drug Dosages E-Book

Covering the ratio and proportion, formula, and dimensional analysis methods of drug calculation, *Calculation of Drug Dosages*, 11th Edition is designed to help you master these methods. A basic review of mathematics serves to refresh your skills if you are weak or inexperienced in math, and plenty of practice problems help you become competent in making drug calculations. Known for its worktext format, this text offers multiple worksheets pre-and post-tests and a comprehensive post-test - making it ideal to be used in the classroom or for individual study. Streamlined and updated to reflect current practice, this resource helps you learn to calculate drug dosages accurately and with confidence. UPDATED! Safety in Medication Administration chapter reflects current standards. UPDATED! Pediatric and Obstetric chapters revised by expert contributors. UPDATED! The Intake and Output section includes additional questions to reinforce your understanding. UPDATED! Medications changed to generic names to reflect what you will encounter on the NCLEX®. UPDATED! Physician orders sheet and medication administration records (MAR's) reflect the look of electronic records currently used in practice. An extensive math review covers the basic math skills essential for accurate calculation of drug dosages. Chapter worksheets allow you to practice solving realistic problems. Post-tests at the end of each chapter let you assess your understanding of content. An Alert box highlights information crucial to math calculation and patient safety. A comprehensive post-test at the end of the book offers additional practice and accurately gauges your overall understanding. A logical structure is organized from simple to complex, helping you to absorb and retain knowledge. UPDATED! Medication labels have been updated.

Drug Calculations

Learn to calculate drug dosages safely, accurately, and easily with *Kee's Clinical Calculations*, 9th Edition! This market-leading text covers all four major drug calculation methods, including ratio & proportion, formula, fractional equation, and dimensional analysis. It also includes practice problems for both general care as well as specialty areas such as pediatrics, labor and delivery, critical care, and community nursing. With its market-leading, comprehensive coverage; strong emphasis on patient safety; and the incorporation of the latest information on antidiabetic agents, anticoagulant agents, drug administration techniques, and devices; Kee remains the winning choice for easy drug calculation mastery. Coverage of all four major drug calculation methods includes ratio & proportion, formula, fractional equation, and dimensional analysis to help you learn and apply the method that works best for you. The latest information on drug administration techniques and devices helps you master the most up-to-date techniques of drug administration, including oral, intravenous, intra-muscular, subcutaneous, and other routes. Caution boxes provide alerts to problems or issues related to various drugs and their administration. Information on infusion pumps covers enteral, single, multi-channel, PCA, and insulin; and explains their use in drug administration. Calculations for Specialty Areas section addresses the drug calculations needed to practice in pediatric, critical care, labor and delivery, and community settings. Detailed, full-color photos and illustrations show the most current equipment for IV therapy, the latest types of pumps, and the newest syringes. Comprehensive post-test lets you test your knowledge of key concepts from the text. NEW! Updated information on Antidiabetic Agents (orals and injectables) has been added throughout the text where appropriate. NEW! Updated content on Anticoagulant Agents is housed in an all-new chapter. NEW! Colorized abbreviations for the four methods of calculation (BF, RP, FE, and DA) appear in the Example Problems sections. NEW! Updated content and patient safety guidelines throughout the text reflects the latest practices and procedures. NEW! Updated practice problems across the text incorporate the latest drugs and dosages.

Advanced Emergency Care for Paramedic Practice

Driven by changes to clinical practice, new evidence-based research, and shifts in global economics and politics, the field of paramedic science is rapidly evolving. This new edition of *Fundamentals of Paramedic Practice* offers students and recently qualified practitioners an accessible and comprehensive introduction to paramedic science and pre-hospital care, providing expert and up-to-date guidance on the essential theories and real-world practice of this dynamic area of emergency medicine. Assuming no prior knowledge of the subject, this user-friendly textbook provides broad and inclusive coverage of topics including professionalism, law and ethics, assessment skills, research methods, pharmacology and more. Contributions from experienced paramedics and clinicians, contemporary case studies, full-colour illustrations and powerful pedagogical tools help students gain a thorough understanding of the essential components of paramedic practice. Employs a comprehensive, multi-

disciplinary approach to the study of paramedic practice, presenting theoretical and clinical topics in a straightforward and student-friendly manner. New chapters on toxicology, medical terminology and low acuity care in paramedicine, with an increased focus on mental health. Includes new end-of-chapter learning activities and quizzes, case studies and references, charts and diagrams. **Fundamentals of Paramedic Practice: A Systems Approach** is an invaluable resource for undergraduate paramedic and emergency care students as well as qualified paramedics, clinicians and educators seeking an authoritative reference on current practice.

Clinical Calculations - E-Book

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.

Fundamentals of Paramedic Practice

Reflecting the 2010 Emergency Cardiovascular Care guidelines, Mosby's Paramedic Textbook, 4th Edition provides a comprehensive learning tool for both first-time and refresher paramedic students. Coverage includes an overview of key subjects such as pharmacology, airway management, medical disorders, patient assessment, and trauma. ALS patient care skills are presented step by step, both in the book and in online video clips. New to this edition are nine new chapters, many new topics, and 150 new photos. Written by paramedic expert Mick Sanders, Mosby's Paramedic Textbook follows the National EMS Education Standards and offers complete coverage of the National Standard Curriculum (NSC) for the EMT-Paramedic. More than 1,000 illustrations -- including 150 that are NEW -- accurately present different techniques and skills. Chapter openers, objectives and key terms set the stage for learning. Advanced Life Support (ALS) skills are presented step by step and in full color. Critical thinking questions help in understanding concepts and in applying them to patient care. A summary and a list of references in each chapter make review easier. A herbal appendix in the pharmacology chapter provides access to herbal content. Drug monographs on the Evolve companion website include Mosby's Essential Drugs, with instant access to comprehensive, up-to-date information on the medications that are administered by paramedics as well as those most commonly prescribed to patients. **NEW!** Nine new chapters and thoroughly updated content align the text with the new National EMS Education Standards and reflect the 2010 ECC (Emergency Cardiovascular Care) guidelines. **NEW** topics include coronary bypass, endocarditis, adult IO infusion, bird flu, new fluid resuscitation guidelines for trauma patients, drugs of abuse (Vicodin, Oxycontin), prediabetes, and management of hypothermia and drowning. **NEW** Show Me the Evidence boxes show the value and impact of evidence-based research. **NEW** Did You Know? boxes supplement chapter content with interesting and relevant information. **NEW** Look Again feature includes cross-references and specific page numbers for easy review of information that was covered in earlier chapters. **NEW** farm considerations in the Trauma section enhance rural practice with the kinematics of farm machinery incidents. Additional Critical Thinking boxes encourage the application of critical thinking skills to "real-life" EMS. Additional cultural considerations enhance your ability to deal with the issues of multicultural patients. **NEW** Advanced Practice Procedures in Critical Care appendix provides an overview of specialty procedures for paramedics who work in critical care settings. Revised and updated Emergency Drug Index reflects the new 2010 ECC guidelines with coverage of more than 75 emergency drugs, their dose and administration, onset and duration, indications and contraindications, adverse reactions, and special considerations.

Brown and Mulholland's Drug Calculations E-Book

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.

Mosby's Paramedic Textbook

Kaplan's National Registry Paramedic Prep provides essential content and focused review to help you master the national paramedic exam. This second edition features comprehensive content review, board-style practice questions, and test-taking tips to help you face the exam with confidence. Essential Review Content is weighted to match the NRP so you can focus your study where it counts the most Concise review of the material tested on the exam, including physiology, pharmacology, respiratory emergencies, cardiac emergencies, shock, trauma, obstetrics and gynecology, pediatrics, the psychomotor exam, and more Full-color figures and tables to aid in understanding and retention Realistic practice questions with detailed answer explanations in each chapter Overview of the exam to help you avoid surprises on test day Expert Guidance We invented test prep—Kaplan (www.kaptest.com) has been helping students for 80 years, and our proven strategies have helped legions of students achieve their dreams

Drug Calculations

National Registry Paramedic Prep