

Pediatric Medication Calculation Competency Assessment

Part 1: Administration

Convert the following

1. 1000 _____ mg
2. 1000 _____ g
3. 1000 _____ kg
4. 1000 _____ lb
5. 1000 _____ oz

6. 1000 _____ mg
7. 1000 _____ g
8. 1000 _____ kg
9. 1000 _____ lb
10. 1000 _____ oz

Part 2: Medication Dose

1. Calculate the medication dose for the following:

- a. 1000 mg of medication for a 1000 kg patient
- b. 1000 mg of medication for a 1000 lb patient
- c. 1000 mg of medication for a 1000 g patient
- d. 1000 mg of medication for a 1000 oz patient

2. Calculate the medication dose for the following:

1000 mg of medication for a 1000 kg patient
1000 mg of medication for a 1000 lb patient
1000 mg of medication for a 1000 g patient
1000 mg of medication for a 1000 oz patient

Medication Calculation Competency Test

LL Leslie



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Drug Calculations for Nurses Kerri Wright, 2011-05-11 This innovative text uses a common sense approach to introduce students to real life medication problems Featuring a range of exercises and assessments and supported by an interactive companion website this is the perfect handbook for anyone seeking to improve their numeracy skills for medication administration

Henke's Med-Math Susan Buchholz, 2019-08-29 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

Calculate with Confidence - E-Book Deborah C. Gray Morris, 2014-01-30 Calculate with Confidence provides a clear consistent format with a step by step approach to the calculation and administration of drug dosages It covers the ratio and proportion formula and dimensional analysis methods This popular text focuses on enhancing the learning experience of students at all curricular levels by making content clinically applicable Concepts relating to critical thinking logical thinking and nursing process are presented throughout New practice problems have been added throughout this edition and rationales for the answers continue to be provided giving the students a better understanding of principles related to drug dosages This fifth edition addresses the increasing responsibility of nurses in medication and administration emphasizes the priority for client care and presents material that reflects the current scope of the nursing practice A clear and consistent step by step approach to calculations and administration makes it easy to understand Ratio and Proportion Formula and Dimensional Analysis content provides you with well rounded coverage Pretest and post test help identify strengths and weaknesses in competency of basic math before and assess your comprehension after Unit One Math Review Points to Remember boxes highlighted in each chapter help you remember important concepts Critical thinking information that should be applied in the clinical setting to help avoid drug calculation and administration errors is boxed throughout the text Full color illustrations photographs and drug labels familiarize you with what you ll encounter in the clinical setting Current recommendations from The Joint Commission and Institute for Safe Medication Practices are followed throughout Caution boxes identify issues that may lead to medication errors and strengthen actions that must be taken to avoid calculation errors Tips for Clinical Practice calls attention to information critical to math calculation and patient safety as well as issues related to practice Rule boxes familiarize students with information needed to accurately solve drug calculation problems

Clinical Calculations Joyce LeFever Kee, Sally M. Marshall, 2016-01-25 Accurate drug calculations start here Clinical Calculations With Applications to General and Specialty Areas 8th Edition covers all four major drug calculation methods ratio proportion formula fractional equation and dimensional analysis It also includes practice problems not only for general care but also for specialty areas such as pediatrics and critical care A new chapter covers insulin

administration and concise illustrated information includes the latest medications drug administration techniques and devices Written by a team of experts led by Joyce Kee Clinical Calculations makes it easy to understand drug calculation and emphasizes patient safety above all else Coverage of all four major drug calculation methods ratio proportion formula fractional equation and dimensional analysis allows you to apply the method that works best for you Updated information on drug administration techniques and devices helps you master the latest techniques of drug administration including oral intravenous intra muscular subcutaneous and other routes Updated drug information ensures you are familiar with the most commonly used drugs in clinical practice Caution boxes alert you to problems or issues related to various drugs and their administration Information on infusion pumps enteral single multi channel PCA and insulin helps you understand 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 A comprehensive post test allows you to test your knowledge of key concepts from the text NEW Insulin Administration chapter provides a guide to administering injectable drugs NEW practice problems drugs drug labels and photos keep you up to date with today s clinical practice NEW Updated QSEN guidelines and The Joint Commission standards help in reducing medication errors and in providing safe patient care *Collegiate Microcomputer*, 1993 **Clinical Calculations - E-Book** Joyce LeFever Kee, Sally M. Marshall, Mary Catherine Forrester, Kathryn Woods, 2020-06-12 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

McDonald's the Nurse Educator's Guide to Assessing Learning Outcomes Tresa Kaur, 2024-12-09 McDonald s The Nurse Educator s Guide to Assessing Learning Outcomes Fifth Edition is a comprehensive guide for nurse educators that covers the assessment of critical thinking the development of learning objectives and the creation of tests including detailed tips for writing many kinds of individual test items This unique resource also covers the analysis of test reliability Examples of effective and ineffective test items are included throughout to help faculty and nurse educators deepen their understanding of how to create effective tests and assess student learning The updated Fifth Edition features two new chapters dedicated to the NextGen NCLEX to prepare faculty to develop questions for their students addressing the move from critical thinking to clinical judgment [UK Nursing Registration Guide for International Nurses](#) Elsie Lotta Kane, Your Complete Pathway to UK Nursing Registration 500 Practice Questions 39 Comprehensive Chapters Detailed Explanations Navigating UK nursing registration from international credentials requires mastering complex requirements passing rigorous

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Review of Research in Nursing Education Gloria M. Clayton, Pamela A. Baj, 1990

Nursing Education: A Promising Market for Interactive Video Christine Bolwell, RN MSN, 1990-05-01 Provides and overview of the use and promise of interactive video for use in nursing education Includes the structure of nursing education and overview of the nursing education market and the growing use of microcomputers and interactive video Explores the economic pressures on hospitals nursing schools and how interactive video can address them Also discusses the barriers to implementation

Documentation Abstracts, 1986

Illustrated Study Guide for the NCLEX-RN® Exam - E-Book JoAnn Zerwekh, 2015-12-16 Prepare for the NCLEX with this fun full color review Illustrated Study Guide for the NCLEX RN Exam 9th Edition uses colorful drawings and mnemonic cartoons to cover the nursing concepts and content found on the NCLEX RN examination A concise outline format makes studying easier and the Evolve companion website includes 2 500 NCLEX exam style review questions including alternate item formats allowing you to create practice exams identify your strengths and weaknesses and review answers and rationales Written by NCLEX expert JoAnn Zerwekh this study guide offers a clear visual way to remember key facts for the NCLEX exam UNIQUE Mnemonic cartoons provide a fun easy way to review and remember key nursing concepts and disease processes UNIQUE The integrated systems approach incorporates pediatric adult maternity and older adult lifespan considerations in each body system chapter Practice questions on the Evolve companion website are available in both study and quiz modes and separated by content area allowing you to customize your review based on your personal study needs UNIQUE Appendixes for each chapter summarize medications and nursing procedures for quick reference Alternate item format questions on Evolve prepare you for the interactive question types on the NCLEX examination including priority drag and drop and hot spot illustrated point and click questions Answers and rationales for all review questions show why correct answers are right and incorrect options are wrong Separate chapters on pharmacology and nursing management help you to focus on these areas of emphasis on the NCLEX examination Nursing Priority boxes make it easier to distinguish priorities of nursing care Pharmacology tables make key

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Review of Research in Nursing Education ,1990 **Directory of Educational Software for Nursing** ,1990 **The Journal of Nursing Education** ,1988 **The Quality Handbook for Health Care Organizations** Yosef D. Dlugacz,Andrea Restifo,Alice Greenwood,2004-04-02 The Quality Handbook for Health Care Organizations This important book is a practical theory based resource on the topic of health care quality management written for health care administrators and practitioners It offers the tools needed to help managers make decisions prioritize resources financial and human and analyze and improve the care they deliver The Handbook offers a hands on approach to specific topics such as the implementation of managerial goals instructions for developing accurate measurements for evaluating care the utilization of data as a basis for process improvement exploration of quality management tools and techniques guidelines for the complex integration of collaborative services in health care and methods for effective communication and improving accountability In addition the book is filled with illustrative examples of methods for ensuring appropriate oversight of clinical and quality activities offers solutions for addressing and preventing adverse events and explores the important people to people interactions that ultimately define excellence in medical care Praise for The Quality Handbook for Health Care Organizations The Quality Handbook for Health Care Organizations offers students of health care policy and management a unique opportunity to learn firsthand from one of the nation s leading experts in health care quality Dr Dlugacz s passion for promoting the highest ideals of quality in health care should inspire future generations of health care professionals Alan M Leiken chair Department of Health Care Policy and Management School of Health Care Policy and Management School of Health Technology and Management Health Sciences Center State University of New York at Stony Brook This outstanding book combines both the quantitative aspects of data collection and analysis with the critical human behaviors that make up a health care institution s culture Only when these two factors combine do true quality decisions and patient care result Stuart R Levine author The Six Fundamentals of Success The Quality Handbook reflects the authors combination of technical know how years of experience and the enthusiasm for the complex challenge of their work Margaret E O Kane president National Committee of Quality Assurance **Calculation of Drug Dosages** Sheila J. Ogden,2003 This popular dosage calculation work text helps students master the critical skills necessary to competently 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

Communicating Nursing Research, 1998 Consists of papers presented at a conference sponsored 1968 73 by the Western Council on Higher Education for Nursing 1974 by the Western Society for Research in Nursing issues for 1993 2008 contain also addresses and abstracts of the WIN Assembly

An Elective Medication Calculation Course for Prelicensure Nursing Students Maria Yoder, 2024 Using Astin's I E O model as a framework this problem of practice study examined nursing student inputs for success in medication calculation competency and used an elective medication calculation course taught with a student ready critical care pedagogy as an environmental modification to determine changes in student outcomes of medication calculation competency awareness of academic resources and use of academic help seeking behaviors A historical data set was examined for potential indicators of failing the first attempt of the required medication calculation exam with several significant findings Subsequent logistic regression analysis revealed that high school GPA first semester college GPA and ATI Critical Thinking exam scores were significantly associated with likelihood to pass the first attempt The resulting formula from this model had low accuracy for predicting which students would fail the first attempt but high accuracy for identifying studently likely to pass the first attempt This model can help guide conversations with students to encourage enrollment in the elective medication calculation course for students who are more likely to need additional support to meet this competency After taking the elective course the first time pass rate on the medication calculation exam was 100% for the enrolled students which was a significant improvement when compared to the historical data set Additionally a post course survey provided information about students awareness of resources within the nursing program and indicated that students perceived they were more willing to engage in academic help seeking behaviors after taking the course These results reveal that the elective course is beneficial for students in gaining medication calculation competency and that using a student ready critical care pedagogy can also provide other benefits to support prelicensure nursing student success

Medication Errors Neil M. Davis, Michael Richard Cohen, 1981

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