

Dosage & Calculations Worksheet

Dosage Calculation Conversions

1 mg = 1000 mcg	1 gm = 1000 mg
1 L = 1000 mL	1 mL = 1 cc
5 mL = 1 Tsp	3 Tsp = 1 Tbsp
15 mL = 1 Tbsp	30 mL = 1 oz
1 oz = 2 Tbsp	8 oz = 1 cup
1 kg = 1000 gm (g)	1 kg = 2.2 lbs

https://www.youtube.com/watch?v=N9igZVo_Sc60&feature=youtu.be

1. MD orders Morphine 0.5 mg IV every 4 hours as needed for pain. The vial is labeled 2 mg/mL. How many mL will you give per dose?
2. MD orders Versed 4 mg IV pre-procedural. The vial is labeled 1 mg/mL. How many mL will you give per dose?
3. MD orders Heparin 100 units subq daily. The vial is labeled 50 units/mL. How many mL will you give per dose?
4. MD orders Benadryl 25 mg IV as needed for itching. The vial is labeled 1000 mcg/mL. How many mL will you give per dose?
5. MD orders Digoxin 0.125 mg IV stat. The vial is labeled 500 mcg/2mL. How many mL will you give per dose?

<https://www.youtube.com/watch?v=rRN3DifafMWo&index=3&list=PLQcndx7rRsKfUYdiOTZQOTc2-hLIXHNXq>

1. Doctor's order: 300 mL of NS to infuse over 6 hours. Hourly Rate?
2. Doctor's order: 2L of DSW1/2 NS to infuse over 48 hours. Hourly Rate?
3. Doctor's order: 0.8 L of NS to infuse over 45 minutes. Hourly Rate?

<https://youtu.be/QRdiIVGaQf7Q>

Paramedic Drug Calculation Practice

**Bryan E. Bledsoe, Robert S.
Porter, Bruce R. Shade**

Paramedic Drug Calculation Practice:

Paramedic Practice Today: Above and Beyond: Volume 1 Aehlert, Robert Vroman, 2011 Providing the tools you need to succeed the two volume set 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 Each volume includes a companion DVD ROM with step by step videos demonstrating the skills in the textbook and more Because this two volume set corresponds to the National Registry of EMTs National EMS Practice Analysis it provides you with the best possible preparation for the National Registry exam Publisher's website [Paramedic](#) Andrew N. Pollak, MD, FAAOS, Mithriel Salmon, BS, MT (ASCP), NREMT-P, LP and David S. Pomerantz, NREMT-B, EMT-P,

Paramedic: Calculations for Medication Administration American Academy of Orthopaedic Surgeons (AAOS), Mithriel Salmon, David S. Pomerantz, 2008-10-13 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 Practice makes perfect this text has over 700 practice problems In addition to the in chapter practice chapters conclude with more problems Complete answers to every problem including explanations are provided in the answer key Every step is included making it easy to follow how an answer was reached Part of the AAOS Paramedic Series covers all the DOT objectives related to calculations for medication administration and can be used in prerequisite or co requisite paramedic math courses 2009 224 pages *Paramedic* Mithriel Salmon, David Pomerantz, 2008-01-30 This work teaches the basic principles of mathematics and applies them to cases that paramedics face in the field Chapters cover math rules and principles ratios proportions and conversion factors fractions decimals and percentages Practice problems are scattered throughout *Mosby's Paramedic Textbook* Mick J. Sanders, Lawrence M. Lewis, Kim McKenna, Gary Quick, 2012 This new edition provides complete coverage of prehospital care in a single comprehensive text It explains the paramedic's role the unique characteristics of prehospital care emergency care of acutely ill traumatically injured patients **Sanders' Paramedic Textbook** Mick J. Sanders, Kim McKenna, American Academy of Orthopaedic Surgeons (AAOS), 2024-01-17 Based on current guidelines standards and medical research in the EMS field Sanders Paramedic Textbook Sixth Edition is both a comprehensive learning tool for paramedic students and reliable desk reference for emergency physicians This critical

resource includes in depth explorations of key subjects such as pathophysiology pharmacology airway management medical disorders patient assessment and trauma **Advanced Emergency Care for Paramedic Practice** Shirley A. Jones,1992

Lange Q&A: EMT-Paramedic (P) Self Assessment and Review, Second Edition Richard Westfal,Gregory Santa Maria,2006-10-20 The only EMT P review with questions answers citing major textbooks a new e CD ROM The ultimate all in one review for the EMT Paramedic Exam Lange Q A EMT Paramedic P Self Assessment and Review offers test acing preparation for anyone taking the national registry Paramedic Exam and state exams You ll be ready for any exam related topic with this powerful just in time resource where you ll find Exam type questions and detailed answers with explanations referenced to all major textbooks plus a new CD ROM Mastery building coverage of all the content areas that reflect today s EMT P practice from pharmacology to patient assessment A 10% increase in the total number of questions all of which are selected and formatted to approximate the real exam NEW section on terrorism CBRNE that shows how to respond to when people are affected by chemical and biological agents radiological and nuclear materials and explosive devices NEW coverage of 12 Lead EKGs pulse oximetry pulmonary inhalers Atrovent steroid Combivent and pediatric end tidal CO2 detectors NEW coverage of drugs including Amiodarone Expanded coverage of cardiac emergencies transcutaneous pacemakers and trauma

Foundations for the Practice of EMS Education Melissa Alexander,2006 For EMS and instructor development courses Foundations for the Practice of EMS Education provides broad based coverage of fundamental principles and practices of EMS education The text provides clear up to date information and references for more in depth material as well as examples and templates of many useful educational tools Whether in fire based hospital based or higher education programs the EMS educator will find practical information and guidelines for program planning implementation and evaluation for both pre service and continuing education This text covers all elements of the newly published NHTSA and National Association of EMS Educators guidelines for instructor development and future national certification recognition

EMS Dosage Calculation: Math Review and Practice for Paramedics Kaplan Medical,2018-01-24 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 Care Bryan E. Bledsoe,Robert S. Porter,Richard A. Cherry,2009 Completely updated in a new

3rd edition and written by the best selling author team of Bryan E Bledsoe D O F A C E P EMT P Robert S Porter M A NREMT P and Richard A Cherry M S NREMT P this student friendly easy to understand series covers the DOT National Standard Curriculum This book provides an overview of a Paramedic's role and Paramedic systems Also covered are illness and injury prevention medical legal aspects ethics pathophysiology pharmacology medication administration therapeutic communications life span development and airway management *Drug Dosage Calculations for the Emergency Care Provider* Alan A. Mikolaj, 2003 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

Brady Paramedic Emergency Care Bryan E. Bledsoe, Robert S. Porter, Bruce R. Shadie, 1994 *Prehospital Emergency Pharmacology* Bryan E. Bledsoe, Dwayne E.

Clayden, Frank J. Papa, 2001 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 automatic 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

Emergency Medical Services, 2001 **Comprehensive Guide to Pre-hospital Skills** Alexander M. Butman, 1995 The most comprehensive prehospital care skills reference on the market It definitively describes and graphically illustrates how and why to perform every prehospital skill required for both basic and advanced life support Summary skills sheets review the more complex multi part skills

Paramedic: Calculations for Medication Administration, Instructor's Toolkit American Academy of Orthopaedic Surgeons (AAOS) Staff, American Academy of Orthopaedic Surgeons (Aaos), Mithriel Salmon, 2009-02-09 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

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,1983-09 **The Software Encyclopedia 2000** Bowker Editorial Staff,2000-05 Emergency ,1988

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Introduction. Fossils give ... *crassirostris*, background information from the lab, and the answers to your analysis. Pterosaur Reconstruction Bi Apr 21, 2017 — The bones of one pterosaur, *Scaphognathus crassirostris*, were discovered in 1826 by the German scientist, August Goldfuss. The fossilized bones ... reconstructing a fossil pterosaur.pdf - Name: Date: Period ng evidence from the reconstructed skeleton, you will infer some habits and adaptations of this pterosaur. OBJECTIVES

Reconstruct the skeleton of *S. crassirostris* ... Pterosaur Reconstruction.doc Data: Copy the chart on your own paper and turn in with questions and your fossil Table 1 Characteristics of *S. crassirostris* Wingspan (centimeters)? Jaw ... Using Mathematics in Fossil Reconstruction How would scientists predict the pterosaur's probable wingspan from these pieces? Data from similar pterosaurs found throughout the world were available from ... Early pterosaur reconstructions - Archosaur Musings

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