
Paramedic Med Math (Practice) Questions With Complete Solutions

The physician orders Lasix 20 mg IV stat for a child weighing 34 lbs. The pediatric handbook states that 1 mg/kg is a safe initial dose. Should you give this dose? correct answer: 34 lbs.
 $X 1\text{kg}/2.2\text{ lbs} = 15.5\text{ kg}$
 $15.5\text{ kg} X 1\text{ mg/kg} = 15.5\text{ mg}$

Your medical control orders you to give 25mg of Diphenhydramine to your patient having a mild allergic reaction. It comes packaged as 50mg/1ml in a vial. How many mls do you draw up? correct answer: 50mg/1ml=25mg/xml
 $50x=25\text{ } x=25/50\text{ } x=.5\text{ml}$

Your first dose for a full arrest of Lidocaine calls for 1.5mg/kg. Your patient weights 176 Lbs. Lidocaine comes packaged as 100mg/5ml. How many mls are you giving your patient? correct answer: 176lbs= 80kg 1.5mg x 80 kg = 120 mg
 $120\text{mg}/x\text{ml} = 100\text{mg}/5\text{ml}$
 $120 x 5 = 100x\text{ } 600=100x\text{ } 600/100 =x\text{ } x= 6\text{mg}$

Your second round of Lidocaine for a full arrest calls for .75mg/kg IVP. You are using the same patient from question #3. How many mls are you giving your patient this time? correct answer: 176lbs = 80 kg .75mg x 80 kg = 60 mg
 $60\text{mg}/x\text{ml} = 100\text{mg}/5\text{ml}$
 $60 x 5 =100x\text{ } 300=100x\text{ } 300/100 =x\text{ } x= 3\text{mg}$

Paramedic Math Problems

Daniel F McAuley

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the author's name.

Paramedic Math Problems:

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 maths rules and principles ratios proportions and conversion factors fractions decimals and percentages Practice problems are scattered throughout **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* Andrew N. Pollak, MD, FAAOS, Mithriel Salmon, BS, MT (ASCP), NREMT-P, LP and David S. Pomerantz, NREMT-B, EMT-P, *Paramedic Med-Math Made Easy* Diane Pettway, 2008-09-30 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 **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 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 **Resources in Education** ,2001 **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 [Pharmacology for the Prehospital Professional](#) Jeffrey S. Guy, Director Vanderbilt Regional Burn Center Vanderbilt University School of Medicine Nashville Tennessee Jeffrey Guy, 2012-10-22 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> *A Paramedic's Life* Neal Lindley, 2020-03-27 This story follows the life of one paramedic as he is transformed from a wet behind the ears and new EMT to a knowledgeable and experienced paramedic This story is an entertaining and informative look at the not too distant past It provides nonmedical readers with a rare look

at life in the streets while also serving as an educational tool for new EMTs and paramedics This book is not for the faint of heart The author shoots straight from the hip as he discusses some of his most memorable calls in raw detail Sometimes tragic sometimes humorous but always eye opening Paramedic Care Vol 1 Irm Vol 1 Sup Bledsoe,Porter,2005-03

Med Math Simplified - Second Edition Jamie Davis, RN, NRP, BA, AAS,2017-10-02 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 **Pharmacology for the EMS Provider**

Richard K Beck,2015-07-31 Overcome your fears and build your confidence while you master the mathematic and pharmacology knowledge you need to pass your licensure exams and prepare for professional practice Foundations of Education: An EMS Approach National Association of EMS Educators (NAEMSE),2019-07-15 The evolving field of emergency medical services EMS requires professional educators who are knowledgeable about teaching and learning strategies classroom management assessment and evaluation technology in learning legal implications in education program infrastructure design and administering programs of excellence to meet state and national accreditation guidelines Foundations of Education An EMS Approach Third Edition provides EMS educators with the tools ideas and information necessary to succeed in each of these areas The content reflects how current educational knowledge and theory uniquely apply to EMS students educators and programs This textbook is used in the NAEMSE Instructor Courses and is an excellent reference for all EMS educators as well as educators in allied health professions Evidence Based ContentIn addition to foundational topics such as teaching philosophy and classroom management the text covers brain based learning accreditation and program evaluation emerging technologies and assessment strategies It guides educators to write objectives prepare lesson plans and deliver education in engaging ways to maximize student learning Grounded in this information EMS educators can promote effective education regardless of the type of course or setting Highlights Covers current educational theory and teaching methodologies specific to EMS Meets and exceeds the latest DOT National Guidelines for Educating EMS Instructors Offer practical advice and scenarios in the form of Teaching Tips and Case in Points **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 **A Knotty Problem**

David Cole,2022-10-03 Tensions rise between the math kids When Stephanie finds out her soccer team has a tournament on the same day as the district math competition an upset Justin offers her a choice choose Math Kids or leave the club Dismayed by his attitude Stephanie quits and Catherine goes with her With their club in shambles the future of their friendships is further threatened by the news that Justin s dad has been offered a new job and wants to move his family to St Louis Jordan Justin Catherine and Stephanie may face the permanent fracture of their friend group and a bleak end to their school year unless they can come together to overcome some impossible situations Problem solving skills apply to much more than homework in the latest addition to the Math Kids series Great for fans of Hans Magnus Enzenberger s The Math Devil

McGraw-Hill Education's EMT-Paramedic Exam Review, Third Edition Peter A. DiPrima,George P. Benedetto,2015-12-06 The ultimate one stop success guide to the EMT Paramedic exam now fully updated If you want to ace the EMT Paramedic Certification Exam there s no better study partner than McGraw Hill Education s EMT Paramedic Exam Review Based on in the trenches insights from seasoned EMT instructor Peter A DiPrima Jr this concise skill building learning tool helps you think through pre hospital medicine while covering every must know topic on the exam from pharmacology to hazardous materials awareness Each chapter begins with a clinical scenario followed by a bulleted overview of key topics and is summarized by chapter ending Q As Also included are valuable exam preparation tips the do s and don ts of answering multiple choice questions and much more Turn to any page and you ll see that the Third Edition of McGraw Hill Education s EMT Paramedic Exam Review has everything you need to boost your confidence and your score Rely on this indispensable resource for A complete 180 question practice exam at the end of the book New and improved online question bank available at www.mcgrawhillemt.com with over 360 EMT P practice questions and answers that correspond to topics in the text High yield outline format bolstered by Q As realistic clinical scenarios and retention enhancing bulleted content Seven sections that incorporate the most recent Paramedic National Curriculum Content corresponding to National EMS Education Standards Updated section on Advanced Life Support Monitoring featuring chapters on 12 lead ECG Capnography and Understanding Blood Chemistry EKGs and ECGs that enhance your comfort level with reading leads a growing part of the EMT s job function Photographs facilitating the identification of critical instruments and equipment And more Brady Paramedic Emergency Care Bryan E. Bledsoe,Robert S. Porter,Bruce R. Shade,1994 *Lights and Sirens* Kevin Grange,2015-06-02 A true account of going through UCLA s famed Daniel Freeman Paramedic Program and practicing emergency medicine on the streets of Los Angeles Nine months of tying tourniquets and pushing new medications of IVs chest compressions and defibrillator shocks that was Kevin Grange s initiation into emergency medicine when at age thirty six he enrolled in the Harvard of paramedic schools UCLA s Daniel Freeman Paramedic Program long considered one of the best and most intense paramedic training programs in the world Few jobs can match the stress trauma and drama that a paramedic calls a typical day at the office and few educational settings can match the pressure and competitiveness of

paramedic school Blending months of classroom instruction with ER rotations and a grueling field internship with the Los Angeles Fire Department UCLA s paramedic program is like a mix of boot camp and med school It would turn out to be the hardest thing Grange had ever done but also the most transformational and inspiring An in depth look at the trials and tragedies that paramedic students experience daily Lights and Sirens is ultimately about the best part of humanity people working together to help save a human life **McGraw-Hill's EMT-Paramedic, Second Edition** DiPrima Jr.,Benedetto Jr.,2011-04-22 An all in one review for the EMT Paramedic exam updated to reflect the new 2010 National Standard Curriculum Market 18 500 students took the EMT P exam in 2008 High yield outline format is supplemented with Q A clinical scenarios and activities to assist retention Addresses all the core competencies covered in any EMT Paramedic course Includes online practice exam with 150 questions *Love, Jean* A. Jean Ayres,Philip R. Erwin,Zoe Mailloux,2003-12 Captured in previously unpublished correspondence written by sensory integration pioneer A Jean Ayres to her nephew Philip Erwin Love Jean provides insight and inspiration to parents of children who have been diagnosed with dysfunction of sensory integration

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web fig 2 2 division of panels in flat slabs a column strip is a design strip with a width on each side of a column centerline equal to $0.25 l_x$ or if drops with dimension not less than $l_x/3$ are used a width equal to the drop dimension a middle strip is a design strip bounded by two column strips

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ed m_2 ee m_1 ef m_2 eg m_1 eh m_2 ei m_1 ej m_2 ek m_1 el m_2 em m_1 en m_2 eo m_1 ep m_2 eq m_1 er m_2 es m_1 et m_2 eu m_1 ev m_2 ew m_1 ex m_2 ey m_1 ez m_2 fa m_1 fb m_2 fc m_1 fd m_2 fe m_1 ff m_2 fg m_1 fh m_2 fi m_1 fj m_2 fk m_1 fl m_2 fm m_1 fn m_2 fo m_1 fp m_2 fq m_1 fr m_2 fs m_1 ft m_2 fu m_1 fv m_2 fw m_1 fx m_2 fy m_1 fz m_2 ga m_1 gb m_2 gc m_1 gd m_2 ge m_1 gf m_2 gh m_1 gi m_2 gi m_1 gj m_2 gj m_1 gk m_2 gk m_1 gl m_2 gl m_1 gm m_2 gm m_1 gn m_2 gn m_1 go m_2 go m_1 gp m_2 gp m_1 gq m_2 gq m_1 gr m_2 gr m_1 gs m_2 gs m_1 gt m_2 gt m_1 gu m_2 gu m_1 gv m_2 gv m_1 gw m_2 gw m_1 gx m_2 gx m_1 gy m_2 gy m_1 gz m_2 ha m_1 hb m_2 hb m_1 hc m_2 hc m_1 hd m_2 hd m_1 he m_2 he m_1 hf m_2 hf m_1 hg m_2 hg m_1 hh m_2 hh m_1 hi m_2 hi m_1 hj m_2 hj m_1 hk m_2 hk m_1 hl m_2 hl m_1 hm m_2 hm m_1 hn m_2 hn m_1 ho m_2 ho m_1 hp m_2 hp m_1 hq m_2 hq m_1 hr m_2 hr m_1 hs m_2 hs m_1 ht m_2 ht m_1 hu m_2 hu m_1 hv m_2 hv m_1 hw m_2 hw m_1 hx m_2 hx m_1 hy m_2 hy m_1 hz m_2 ia m_1 ib m_2 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