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## **Paramedic math practice Questions And Answers With Complete Solutions**

You have a prefilled syringe that is labeled 500mg in 10ml.

What is the concentration of this medication? correct answer:  
50

You have vial that is labeled 5mg/ml, 5ml total volume.

How many total mg of the medication are in this vial? correct  
answer: 25

You want to start an IV at 500cc/hour using a 10gtt/ml set.

What is your flow rate? correct answer: 83

You are going to start a Dobutamine drip at 10mcg/kg/min on a  
285 pound patient using a 60gtt/ml set. You mix the drip by  
placing 400mg of Dobutamine in a 500cc bag.

What is your flow rate? correct answer: 98

You want to administer 8mg of a drug to a 150 pound patient.  
The drug is packaged in a vial labeled 10mg in 5ml.

How many ml will you have to give? correct answer: 4

# Paramedic Math Problems

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

## Paramedic Math Problems:

**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 **Paramedic Care Vol 1 Irm Vol 1 Sup** Bledsoe, Porter, 2005-03 **On the Job Math** Saddleback Educational Publishing, 2011-09-01 The reproducible lessons in each of the six books in this series presents topics students are likely to encounter in everyday life Each book contains problems that involve estimation equations mental math calculators and critical thinking Additional concept specific skills in each book include graphing averages statistics ratios and measurement These 112 page reproducible books include teacher notes and tips answer keys reference guides lessons unit reviews and more Units include Career Options Providing Products or Services Community Service Profit Loss Getting to the Job Getting Paid Teamwork Unemployment **Brady Paramedic Emergency Care** Bryan E. Bledsoe, Robert S. Porter, Bruce R. Shadie, 1994 **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

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