

MEDICATION Math



DRUG CALCULATION FORMULAS

CONVERSION KEY

1 mL = 1 cc	1 tsp = 5 mL	30 mL = 1 oz
1 L = 1,000 mL	3 tsp = 1 tbsp	1 mcg = 1 mg
1 mg = 1,000 mcg	1 kg = 1,000 g	2.2 lbs = 2.2 kg
1 gm = 1,000 mg	1 oz = 2 tbspn	1 tbspn = 15 mL



MIXTURES & SOLUTIONS

$$\frac{\text{DESIRED DOSE}}{\text{STOCK STRENGTH}} \times \text{STOCK VOLUME} = \text{AMOUNT TO BE GIVEN}$$



TABLET DOSAGES

$$\frac{\text{DESIRED DOSE}}{\text{STOCK STRENGTH}} = \text{NUMBER OF TABLETS}$$



IV RATES

ML PER HR & MIN:

$$\frac{\text{TOTAL IV VOLUME}}{\text{TIME (HR or MIN)}} = \text{ML PER HOUR OR MINUTE}$$



DROPS PER MIN:

$$\frac{\text{TOTAL IV VOLUME}}{\text{TIME (MIN)}} \times \text{DROP FACTOR} = \text{DROPS PER MINUTE}$$

REMAINING INFUSION TIME:

$$\frac{\text{VOLUME REMAINING (ML)}}{\text{DROPS PER MINUTE}} \times \text{DROP FACTOR} = \text{MINUTES REMAINING}$$

Med Math Study Guide

Terry C. Jones



Med Math Study Guide:

Study Guide for Clinical Procedures for Medical Assistants - E-Book Kathy Bonewit-West, 2022-10-12 Learn how to think critically and perform competently in the clinical setting Correlating to chapters in Clinical Procedures for Medical Assistants 11th Edition this study guide provides additional activities review questions and exercises designed to prepare you to work in a modern medical office Content aligns to the new 2022 medical assisting educational competencies and provides procedure checklists and video evaluations to help you track your mastery of clinical skills This essential companion provides the practice you need to prepare for a successful career in the fast paced world of medical assisting Critical thinking activities with realistic situations help students analyze and apply what they ve learned with games role playing situations crossword puzzles and independent study questions Focus on competency mastery includes worksheets to practice key skills and evaluation forms to assess proficiency Assignment sheets at the beginning of chapters help students stay organized and document their progress NEW 2022 CAAHEP medical assisting competencies throughout represent the latest educational standards NEW Updated content addresses changes in the medical record nutritional guidelines OSHA standards for infection control and prevention emergency preparedness and more REVISED Self assessment opportunities allow students to perform quick comprehension checks including pre tests post tests and key term assessments *Study Guide for Today's Medical Assistant - E-Book* Kathy Bonewit-West, Sue Hunt, 2020-03-02 Get unrivaled practice mastering all the concepts and skills necessary for success in today s fast paced medical office with the Study Guide for Today s Medical Assistant Filled with assignment sheets pre and post tests vocabulary practice short answer review questions critical thinking activities competency practice and evaluations for each chapter this comprehensive study guide is the perfect hands on resource to jump start your medical assisting expertise The 4th Edition features enhanced coverage of healthcare law certification electronic health records motivational interviewing office management and more as well as additional procedures to address behavior based competencies and more EHR practice Expanded application to SimChart for the Medical Office provides more realistic practice with EHRs Consistent and meticulous coverage throughout all elements of the text and its learning package provide reliable content and unparalleled accuracy on the responsibilities of the modern medical assistant Chapter pre tests and post tests enable you to easily gauge how much content you have mastered Critical thinking activities encourage you to develop the judgment needed for real life medical office situations Laboratory assignments at the beginning of each chapter offer a guide on each chapter s procedures Practice for Competency checklists for each procedure help you practice each of your clinical skills Perforated pages offer on the go review and enable easy assignment submission NEW New content on healthcare trends and laws certification for Medical Assistants electronic health records motivational interviewing office management and more ensures that you have the latest information needed to obtain employment and long term success on the job NEW Competency evaluation for new procedures addresses affective behavior based MAERB competencies to provide

example driven teaching and learning tools Medical Mathematics (Speedy Study Guides) Speedy Publishing,2014-05-04

Mathematics in medicine is a very important part of the health care process Nurses and doctors must be able to perform math functions to administer proper dosages of medicine Medicinal amounts are based on the weight of a patient A doctor must convert weight from pounds to kilograms and then into milligrams to determine correct prescription dosages A medical professional must be able to read bodily fluid test amounts in terms of microlitres and deciliters In medical research statistics are used to gather data and publish results of studies Cat scans and x rays use mathematical calculations Luckily there are charts to help nurses and doctors quickly make conversions however these professionals must understand how to perform these calculations without them in certain situations Nursing Math Guide (Speedy Study Guide) Speedy Publishing,2014-12-07

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