

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

Speedy Publishing

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the Speedy Publishing text.

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Clinical Drug Therapy Anne Collins Abrams, 1995. This popular core nursing pharmacology textbook provides unique coverage of nursing interventions for drug therapy with related rationales. Highly praised for its organized and readable presentation, the text explains the why behind each nursing action and emphasizes how drugs work differently in different patients. New to the Eighth Edition are case studies integrated into each chapter with case-based questions that foster critical thinking. New Research Briefs summarize current research and its nursing implications. A new chapter covers drugs for obesity and all nutrition products have been consolidated into one chapter. New NCLEX-style questions appear at the end of each drug chapter.

Introduction to Health Care & Careers Roxann DeLaet, 2020-05-20. Introduction to Health Care Careers provides students beginning their health care education with the fundamentals they need to develop their personal and professional skills, understand their chosen profession, and succeed in the world of health care.

Study Guide to Accompany Pharmacology for Nursing Care Marshal Shlafer, Richard A. Lehne, 2004. This study guide features high-caliber learning activities that apply the renowned Dr. Marshal Shlafer's rich experience in teaching pharmacology to a wide range of student learning styles.

Medical Examination Review Book, 1960. Home and School Reading and Study Guides Donna M. Lusardi, Rosemarie Kent, 2006. A compilation of information to expand the information in the New Book of Knowledge. Provides a recommended reading list of more than 6,000 books to help teachers, librarians, and especially parents make optimal use of the set.

Medical 911, 1994. **Resources in Education**, 1996. A Complete Preparation for the MCAT.: Skills development for the medical college admission test, 1988. *Medical Examination Review Book: Oncology*, 1960.

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