

MATH CALCULATIONS FOR PHARMACY TECHNICIANS

A WORKTEXT

Elaine Simmons Beale, RPh

FOURTH EDITION



ELSEVIER



Evolve®

Student Resources on Evolve
Access Code Inside

61662385X
012555538
F 22610467

FOURTH EDITION

MATH CALCULATIONS FOR PHARMACY TECHNICIANS

A WORKTEXT



Elaine Simmons Beale, RPh

Paul D. Camp Community College
Franklin, Virginia



Table of Contents

SECTION I Introduction and Basic Math Skills, 1

- 1 Abbreviations, Symbols, and Basic Mathematical Skills for Health Occupations, 1
- 2 Review of Basic Mathematical Skills, 15

SECTION II Measurements and Conversions Used in Health Care Occupations, 65

- 3 Conversion of Clinical Measurements of Numbers, Time, and Temperature, 65
- 4 Measurement Systems, Units, and Equivalencies, 79
- 5 Conversions Within Measurement Systems, 94
- 6 Conversions Between Measurement Systems, 112

SECTION III Calculations With Prescriptions and Medication Orders, 129

- 7 Interpretation of Prescriptions, Medication Orders and Stock Labels, 129
- 8 Calculation of Oral Solid Doses, 165
- 9 Calculation of Oral Liquid Doses, 183
- 10 Calculation of Injectable Doses, 208
- 11 Interpreting Physicians' Orders for Dosages and Days' Supply, 254

SECTION IV Special Medication Calculations, 297

- 12** Calculation of Doses by Age, Body Weight, and Body Surface Area, 297
- 13** Calculations With Ratio and Percentage Strengths, 342
- 14** Calculations for Simple Dilutions, Mixtures, and Compounding, 370
- 15** Calculations for Preparation of Intravenous Infusions, 410

SECTION V Business Math, 465

- 16** Pharmacy Business Math, 465

Answer Key, 505

Glossary, 518

Index, 523