

Pharmaceutical Calculations The Free Information Society

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Explore fundamental pharmaceutical calculations essential for safe and effective patient care. This resource, aligned with the principles of a free information society, provides comprehensive guidance on medication dosage, ensuring accuracy for students and professionals seeking accessible, high-quality healthcare knowledge.

Each syllabus includes objectives, reading lists, and course assessments.

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Pharmaceutical Calculations The Free Information Society

Pharmacy Calculations: Ratios and Proportions - PTCB PTCE NAPLEX NCLEX Test Prep CPhT Pharmacy Tech - Pharmacy Calculations: Ratios and Proportions - PTCB PTCE NAPLEX NCLEX Test Prep CPhT Pharmacy Tech by Amanda PharmD 30,423 views 2 years ago 6 minutes, 16 seconds - Pharmacy Calculations,: Ratios and Proportions - PTCE PTCB CPhT Pharmacy Technician, NAPLEX PharmD and NCLEX ...

Intro

Proportions

Types of Calculations

Example 1 De dextrose

Example 2 Sodium chloride

Summary

Outro

Pharmacy Calculations| Percentage Strength and Ratio Strength Review | Beginner Level - Pharmacy Calculations| Percentage Strength and Ratio Strength Review | Beginner Level by Pharmaceutical Calculations 17,162 views Streamed 3 years ago 33 minutes - In this video you will learn how to solve a total of ten **pharmacy calculations**, questions covering percentage strength and ratio ...

Intro

What is the percentage strength of an injection that contains 50 mg of phenobarbital sodium in each milliliter of solution? Round to the nearest whole number.

If an injection contains 0.5% w of diltiazem hydrochloride, calculate the number of milligrams of the drug in 25 mL of injection. Round to the nearest whole number. Do not include units.

How many milligrams of procaine hydrochloride should be used in preparing 120 suppositories each weighing 2 g and containing 0.25% ww procaine hydrochloride? Round answer to the nearest Whole number. Do not include units.

How many milliliters of tolu balsam tincture should be used in preparing the following prescription? Convert a ratio strength of 1:480 w/v to a percent strength. Round to the nearest hundredth. Do not include the percent sign

An injectable solution contains 2% w/v lidocaine HCl and 1:50,000 w/v epinephrine. How much of this solution would a patient need for a 50-µg dose of epinephrine? Round to the nearest tenth. Do not include units.

Clonidine HCl is available as an injection with a concentration of 500 µg/mL. What is this concentration expressed as a ratio strength? Express answer as 1:XXXX.

How much of a 1:15 w/w mixture of haloperidol decanoate would be needed to supply 2.12 g of haloperidol decanoate required to prepare a formulation? Round answer to the nearest tenth. Do not include units.

Pharmacy Calculations: Concentrations - PTCE, NAPLEX, NCLEX Test Prep CPhT Pharmacy Technician - Pharmacy Calculations: Concentrations - PTCE, NAPLEX, NCLEX Test Prep CPhT Pharmacy Technician by Amanda PharmD 33,357 views 2 years ago 21 minutes - Pharmacy Calculations: Concentrations - PTCE, NAPLEX, NCLEX Test Prep CPhT Pharmacy Technician, NAPLEX PharmD and NCLEX Nursing Test ...

Intro

Definition - Concentrations Concentrations are the strengths of liquid and

Drug Strength Concentrations - Question #1

Percentage Concentrations - Question #3

Ratio Concentrations - Question #1

Drug Calculations Made Ridiculously Easy - Drug Calculations Made Ridiculously Easy by Synthesis Med Ed 230,997 views 3 years ago 7 minutes, 58 seconds - Dimensional Analysis is an easy to remember method for performing **drug calculations**.

Introduction

Dimensional Analysis

Practice Problem 1

Practice Problem 2

Pharmacy Calculations - The Basics - Pharmacy Calculations - The Basics by PharmacyCPA 69,122 views 9 years ago 13 minutes, 20 seconds - New **Pharmacy Calculations**, Book ...

Introduction to pharmaceutical calculations...

Unit conversions...

Back to basics... Multiplying decimals

Percentages

Percentage Question

C1V1 Example Questions...

Pharmaceutical Calculations: 4 Effective Steps for Solving Any Question - Pharmaceutical Calculations: 4 Effective Steps for Solving Any Question by Pharmaceutical Calculations 28,922 views 4 years ago 24 minutes - Pharmaceutical Calculations: 4 Effective Steps for Solving Any Question discusses time tested strategies you can use to ...

Understanding the Problem

Devising a Plan

Implementing the Plan

Double Check the Answer

Math Calculations for Pharmacy Technicians: Full Video Presentation Series (10 Part Lecture) - Math Calculations for Pharmacy Technicians: Full Video Presentation Series (10 Part Lecture) by Amanda PharmD 64,240 views 1 year ago 2 hours, 32 minutes - Math **Calculations**, for **Pharmacy**, Technicians: Full Video Presentation Series (10 Part Lecture) for PTCE, NAPLEX Test Prep. All of my ...

Top 200 Drugs Pharmacy Flashcards with Audio - Generic Name, Brand Name, Indication - Top 200 Drugs Pharmacy Flashcards with Audio - Generic Name, Brand Name, Indication by Amanda PharmD 441,433 views 2 years ago 28 minutes - Top 200 Drugs **Pharmacy**, Flashcards with Audio - Generic Name, Brand Name, Indication. My full **pharmacy**, flashcard set of the ...

Irregular Heartbeat

DEA Schedule II

Enlarged Prostate (BPH)

How to Study For The FPGEE : My Journey Becoming A Licensed Pharmacist In The US - How to Study For The FPGEE : My Journey Becoming A Licensed Pharmacist In The US by Sara Boulos 43,348 views 5 years ago 14 minutes, 12 seconds - Sharing some helpful resources I used to prepare for the FPGEE. I hope y'all find this helpful. After uploading the video I realized ...

Intro

FPGEE

Basic Biomedical Sciences

Social Behavioral Administrative

Resources

Top 200 Drugs Pharmacy Quiz #1 - PTCB PTCE CPhT NAPLEX NCLEX Practice Pharmacy Drug Test Questions - Top 200 Drugs Pharmacy Quiz #1 - PTCB PTCE CPhT NAPLEX NCLEX Practice Pharmacy Drug Test Questions by Amanda PharmD 194,829 views 2 years ago 1 hour, 54 minutes - Top 200 Drugs **Pharmacy**, Quiz #1 - PTCB PTCE CPhT NAPLEX NCLEX Practice **Pharmacy Drug**, Test Questions. This is Quiz #1 ...

One Atorvastatin

Synthroid

Glucophage

Six Metoprolol

11 Neurontin

13 Hydrochlorothiazide

Flonase

17 Amoxicillin

Prednisone

Tramadol

27

28 Ibuprofen

29

36 Cymbalta

40 Aspirin

44

46

47 What Dea Schedule Is Klonopin

49

51 Lysenapril

52 Coumadin

55 Cetirazine

56 Estrace

62 Simbicort

69 Advair

75 Clonidine

76

77

78 Hydroxyzine

81

84

85 Keflex

Xanax

88

90

91

96 Diavan

Mirtazapine

Xarelto

Fosamax

105 Folic Acid

106 Aristocort

107 Tyotropium

109 Ciprofloxacin

110 Isosorbide Mononitrate

115 Valium

116 Ropinarole

118

Baclofen

123 Methotrexate

124

126 Celecoxib

128

129

134

135

136

137 Cyanocobalamin

139

148 Timolol

149

152 Fluconazole

153 Medrol

156

157 Brimonidine

159 Risperidone

160 Levaquin

169

176

178

185

186 Ketoconazole

189 Amiodarone

Colchicine

How to Build Enduring Wealth w/ Guy Spier (RWH042) - How to Build Enduring Wealth w/ Guy Spier (RWH042) by We Study Billionaires 6,811 views 1 day ago 2 hours, 56 minutes - William Green chats with renowned hedge fund manager Guy Spier, who has run the Aquamarine Fund since 1997. Guy talks ...

Excess Deaths Data Being HIDDEN?! Is THIS Why? - Excess Deaths Data Being HIDDEN?! Is THIS Why? by Russell Brand 362,135 views 9 days ago 26 minutes - With an increasing number of British MPs criticising the 'wall of silence' around adverse events, and the Health Secretary being ...

Dosage Calculations for Nursing Students on IV Drip Rate Factors Made Easy (Video 4) - Dosage Calculations for Nursing Students on IV Drip Rate Factors Made Easy (Video 4) by Registered-NurseRN 1,918,702 views 8 years ago 14 minutes - Dosage **calculations**, made incredibly easy for nursing students. This video shows how to set-up and work IV drip rate **calculations**, ...

Intro

First Problem

Second Problem

Fourth Problem

Fifth Problem

FUNDSMITH Annual Shareholders' Meeting February 2024 - FUNDSMITH Annual Shareholders' Meeting February 2024 by Fundsmith 20,985 views 2 days ago 1 hour, 26 minutes - FUNDSMITH Annual Shareholders' Meeting February 2024 Ian King introduces the 2024 Fundsmith Annual Shareholders' ...

Pharmacy Abbreviations Quiz #1 - PTCB Pharmacy Technician CPhT Test Prep Prescription Sig Codes - Pharmacy Abbreviations Quiz #1 - PTCB Pharmacy Technician CPhT Test Prep Prescription Sig Codes by Amanda PharmD 72,727 views 1 year ago 17 minutes - PTCB **Pharmacy**, Tech CPhT Test Prep **Pharmacy**, Sig Codes and Abbreviations Quiz #1. Multiple choice **pharmacy**, abbreviations ...

Intro

What does the sig code "q6h"

Which sig code is NOT a frequency of once a day?

Which sig code means twice a

What does PRN mean?

The sig code CF means

AAA is a sig code commonly

A prescription for Ciprodex® otic may contain the sig code

What is the sig code for under

What does "igtt OS" mean?

What does "iitab PO HS"

The route of administration sig code for a topical patch is

What is the sig code for 1

"Give the amount needed" is indicated by which sig code?

Which sig code means "with"?

Which sig code means after a

A sig code reads 1tidx7D. What

Which sig code means under

What type of tablet dissolves in

The roman numeral "L" means

The sig code "qMO" means

Which of the following is true?

Which of the following is NOT a

Top 200 Drugs Flashcards with Audio in Alphabetical Order - PTCE PTCB Pharmacy Technician

Test Prep - Top 200 Drugs Flashcards with Audio in Alphabetical Order - PTCE PTCB Pharmacy

Technician Test Prep by Amanda PharmD 111,548 views 2 years ago 28 minutes - Top 200 Drugs

Pharmacy, Flashcards with Audio in Alphabetical Order - PTCE PTCB **Pharmacy**, Technician Test

Prep. My full ...

Tylenol

Fioricet

Zovirax

Humira

Proventil, Ventolin

Fosamax

Zyloprim

Xanax

Pacerone, Cordarone

Elavil

Norvasc

Lotrel

Amoxil

Augmentin

Adderall

Eliquis

Abilify

Ecotrin

Tenormin

Strattera

Lipitor

Zithromax

Lioresal

Lotensin

Tessalon Perles

Alphagan P

Pulmicort

Symbicort

Wellbutrin, Zyban

Buspar

Caltrate, Os-Cal

Invokana

Coreg

Omnicef

Celebrex

Keflex

Zyrtec

Thalitone, Hygroton

Cipro

Celexa

Cleocin
Klonopin
Catapres, Kapvay
Plavix
Colcrys
Vitamin B12
Flexeril
Focalin
Valium
Voltaren
Bentyl
Lanoxin
Cardizem
Depakote
Colace
Aricept
Cardura
Doryx, Vibramycin
Trulicity
Cymbalta
Vasotec
Drisdol
Lexapro
Nexium
Estrace, Climara, Vivelle Dot
Desogen, Mircette
NuvaRing
Loestrin, Ovcon
Ortho-Cyclen, Ortho-Tri-Cyclen
Zetia
Pepcid
Tricor
Feosol
Proscar, Propecia
Diflucan
Prozac
Flonase
Advair
Folic Acid
Lasix
Neurontin
Amaryl
Glucotrol
Robitussin, Mucinex
Tenex, Intuniv
Apresoline
Microzide
Norco
Cortizone
Plaquenil
Atarax, Vistaril
Motrin, Advil
Novolog
Tresiba
Levemir
Lantus, Basaglar
Humalog
Combivent, DuoNeb
Avapro

Imdur
Nizoral
Toradol
Lamictal
Xalatan
Keppra
Sinemet
Levaquin
Synthroid, Levoxyl
Tradjenta
Cytomel
Victoza
Vyvanse
Prinivil, Zestril
Prinzide, Zestoretic
Lithobid, Eskalith
Claritin
Ativan
Hyzaar
Mevacor, Altoprev
Mag-Ox
Antivert
Mobic
Namenda
Glucophage
Janumet
Robaxin
Trexall
Ritalin
Medrol
Lopressor, Toprol XL
Flagyl
Remeron
Singulair
Roxanol, MS Contin
Bactroban
Naprosyn, Anaprox
Bystolic
Procardia, Adalat CC
Macrobid, Macrodantin
Nitrostat
Aygestin, Ortho Micronor
Pamelor
Lovaza
Prilosec
Zofran
Tamiflu
Trileptal
Ditropan, Oxytrol
Roxicodone, Oxycontin
Protonix
Paxil
Adipex
Actos
Mirapex
Pravachol
Prelone, Orapred
Deltasone
Lyrica

Prometrium
Phenergan
Inderal
Seroquel
Altace
Zantac
Risperdal
Xarelto
Maxalt
Requip
Crestor
Zocor
Januvia
Aldactone
Imitrex
Flomax
Restoril
Hytrin
Armour Thyroid
Timoptic
Spiriva
Zanaflex
Topamax
Ultram
Desyrel
Aristocort, Kenalog
Maxzide, Dyazide
Valtrex
Diovan HCT
Effexor
Calan, Verelan
Coumadin

Introduction to Pharmacy Calculations - Introduction to Pharmacy Calculations by Lawrence Davidow
8,933 views 1 year ago 55 minutes - Lecture overviewing fundamental math skills of **pharmacy calculations**, including metric units, ratio, proportion, and dimensional ...

Intro

Pharmaceutical Calculations

The 4 "C"s of Pharmacy Calculations

Conceptualize

Calculations as a Source of Medication Errors

Metric Prefixes

Metric Conversions

Convert to Common Units Before Adding

Example: Understanding Concentration is Critical

Example: Household Dosing Unit Conversions

Examples: a is proportional to b

Examples: a is inversely proportional to b

Example of a proportional relationship

Alternative Approach

Conversion Using Dimensional Analysis

Pharmaceutics -I Pharmaceutical Calculations: Weights & Measures Calculations Involving Percentage | - Pharmaceutics -I Pharmaceutical Calculations: Weights & Measures Calculations Involving Percentage | by AKTU Digital Education 16,735 views 2 years ago 28 minutes - Pharmaceutics - I **Pharmaceutical Calculations**,: | Weights And Measures Calculations Involving Percentage Solutions Allegation |

Pharmaceutical Calculations: 1001 Questions with Answers - Pharmaceutical Calculations: 1001 Questions with Answers by Pharmaceutical Calculations 4,641 views 6 years ago 33 seconds - Performing **pharmaceutical calculations**, accurately and expeditiously is pertinent for pharmacists and pharmacy technicians and ...

Dose Calculations | EASY way to CALCULATE size, number of doses and amount dispensed -
Dose Calculations | EASY way to CALCULATE size, number of doses and amount dispensed by
Pharmaceutical Calculations 18,417 views 3 years ago 34 minutes - Dose **calculations**, are routinely
performed by pharmacists, **pharmacy**, technicians, nurses and other healthcare professional to ...
Single Dose
Divided Doses
Question
Percentage Strength and Ratio Strength Review | Beginner Level - Percentage Strength and Ratio
Strength Review | Beginner Level by Pharmaceutical Calculations 7,988 views 1 year ago 26
minutes - Percentage strengths and ratio strengths are common ways of expressing concentrations
of ingredients in a **pharmaceutical**, ...
Weight in Volume
Weight and Volume
Weight and Weight Preparation
A Percentage Strength
Conversion Step
Round to the Nearest Hundredth
Percentage Strength Definition
Quantity of Preparation
Pharmacy Calculations | Easy Way to Solve Complex Dilution Calculations Questions - Pharmacy
Calculations | Easy Way to Solve Complex Dilution Calculations Questions by Pharmaceutical
Calculations 20,316 views 3 years ago 21 minutes - Pharmacy calculations, requiring calculations of
stock solutions can be straightforward. However, there are some intriguing stock ...
Intro
Question
Solution
Pharmaceutical Calculations - Pharmaceutical Calculations by PharmacyCPA 9,297 views 10 years
ago 9 minutes, 12 seconds - Buy our new ultimate guide to **pharmacy calculations**, book at: ...
Dilution and Concentration Calculations in Pharmacy | 5 Key Examples Solved - Dilution and
Concentration Calculations in Pharmacy | 5 Key Examples Solved by Pharmaceutical Calculations
17,888 views 2 years ago 17 minutes - Dilution and Concentration **Calculations**, in **Pharmacy**, | 5
Key Examples Solved. In this video, we'll be looking at five examples of ...
Intro
Question 1 How much drug should be used
Question 2 Concentration of hydrochloric acid
Question 3 Concentration of sodium chloride
Question 4 Concentration of alcohol
Question 5 Concentration of phosphoric acid
Pharmacy Calculations: Days Supply - PTCE PTCE, NAPLEX, NCLEX Test Prep CPhT Pharmacy
Technician - Pharmacy Calculations: Days Supply - PTCE PTCE, NAPLEX, NCLEX Test Prep
CPhT Pharmacy Technician by Amanda PharmD 77,501 views 2 years ago 17 minutes - Pharmacy
Calculations: Days Supply - PTCE PTCE CPhT Pharmacy Technician, NAPLEX PharmD and
NCLEX Nursing Test ...
Intro
Day Supply Overview
Day Supply Calculations
Solid Dosages
Oral Liquids
Oral Liquids Example
Inhalers and Nasal Sprays
Albuterol
Flonase
Eye Ear Drops
Eye Drops Example 1
Eye Drops Example 2
Injectables
Atlantis
Summary
Outro

How To Create An Account On The FREE RxCalculations Q & A Platform - How To Create An Account On The FREE RxCalculations Q & A Platform by Pharmaceutical Calculations 309 views 3 years ago 15 minutes - What is the **Pharmaceutical Calculations**, Forum? The **pharmaceutical calculations**, ...

Intro

What is RxCalculations

How to login

Create an account

Activate your account

Edit your profile

User profile

Messages

Outro

Pharmacy Calculations: Dilutions - Pharmacy Math PTCB PTCE NAPLEX NCLEX Test Prep CPhT Technician - Pharmacy Calculations: Dilutions - Pharmacy Math PTCB PTCE NAPLEX NCLEX Test Prep CPhT Technician by Amanda PharmD 30,475 views 2 years ago 10 minutes, 33 seconds - Pharmacy Calculations,: Dilutions - PTCE PTCB CPhT Pharmacy Technician, NAPLEX PharmD and NCLEX Nursing Test Prep.

Introduction

Definition

Dilution Types

Example Question 1

Part b

Q2 Ointment

Q3 Solution

Summary

Outro

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