

MATH TEST PREPARATION – HANDOUTS (Optional)

(Located in blue metal bins in hall between TA 101 “B” and “C”)

Revised 2/08

FIRST SEMESTER

N150 1ST 8 WEEKS (Blue Files in bins)

Beginning Nursing Process and Fundamental Skills

Instructions

1. Math Entry Test Instructions (sample)

Conversions

2. Table of Conversions
3. Practice with Conversions (Method of Calculations: Algebra - Ratio-Proportion)
4. Practice with Conversions (Method of Calculations: Linear Equation)

Oral Medications

5. Problem Solving, p22 (packet heading – Chapter 1: Metric Measures – Introduction)
6. Using Formula Method to Calculate Dosages and Using Ratio Proportion to Calculate Dosages
7. Oral Medications (Same System/Same Level, Same System/Different Level, Different System/Different Level)
8. N150 - Practice with Nitrostat
9. Ratio-Proportion: Cross-Multiplying to Solve for “X” (from Pickar)
10. N150 – Practice with Ratio-Proportion

Labels

11. N150 - Math Practice With Labels
12. Understanding Drug Labels (Pickar p141) Combination Drugs and Supply Dosage Expressed as a Ratio or Percent
13. Math Practice with Labels (includes practice with vehicle per dose or day, and active ingredient per dose or day)
14. N150 – Math Practice (Labels, number of doses)

Reconstitution of Noninjectable Solutions

15. N150 - Reconstitution of Noninjectable Solutions

Practice Tests

16. N150 - Pre-Entry Practice Math Tests (#1, #2, #3, #4)

N150 2nd 8 weeks and N154 (Green Files in bins)

Beginning Nursing Process and Fundamental Skills

Mental Health

Review all material above

Injections

1. Injections – IM and SC

Reconstitution

2. Injections – Reconstitution

IV's

3. Methods of IV Calculations (Rate, Time, Volume) (single sheet – 2 sides)
4. IV Practice (Rate, Time, Volume) (packet)
5. Practice Problems (Rate – Hourly Infusion Rate and Gravity Drip) short cut method (single sheet)
6. IV Practice with Time and Volume
7. IV Time Problems (single sheet – 2 sides)

Practice Tests

8. N150 2nd 8 weeks going into N154/N153 – PreEntry Math Practice Test #1
9. N150 2nd 8 weeks going into N154/N153 – PreEntry Math Practice Test #2
10. N150 2nd 8 weeks going into N154/N153 – Practice Problems (old label N150 to N154/N153)

MATH TEST PREPARATION – HANDOUTS (Optional)

(continued)

SECOND SEMESTER

N153 (Yellow Files in bins)

Intermediate Ns Process I (Med/Surg)

Review all material above

IVP Medications

1. IVP Medications (IV Push) (9 page packet) (includes #2 below)
2. N153 – Calculating IVP Medications (diluting IVP medications) (1 page – 2 sides)

NGT Replacement and Calculating IV and Oral Intake

3. N153 – Math Calculations for NG Replacement
4. N153 /154 – Calculating IV and Oral Intake

IV Practice

5. IV Practice – Additional Problems (optional for extra practice)

Practice Tests

6. N153 – Math Practice Test #1, #2, #3, and #4 (optional for extra practice)
7. N153 - Math Review Test - #1 - Blank Test (good sampling of all types of problem)
8. N153 - Math Review Test - #1 - Key to test above

THIRD SEMESTER

N250 (Red Files in bins)

Peds & OB

Review all material above

Peds and Ob Practice

1. N250 – Pediatrics – Math Practice Test
2. N250 – OB – Math Practice Test
3. N250 – Peds/OB Math Practice Test

Body Weight Calculations

4. Body Weight Calculations (except last two pages – IV Medication ordered per kilogram per minute – covered in N253)

N253 (Purple Files in bins)

Intermediate Nursing Process II

Review all material above

Basic Review of Pickar, Chapter 16 (7th edition) or Chapter 17 (8th edition)

1. N253 – Advanced Adult Intravenous Calculations
2. N253 - Advanced IV Calculations (mg/hr, mg/min, units/hr to be infused)

Body Weight Calculations

3. Body Weight Calculations (includes last two pages – IV Medication ordered per kilogram per minute) (filed under N250 section above - red section)

Computer Program Handout

4. Level II (CAI program handout)

Practice Tests

5. N253 – Math Practice Tests #1, #2, #3, #4 (old N69/N254 – Math Remediation Tests)
6. Math Review Test: N253 - #1 - blank test and key (good sampling of all types of problems)