

## Nursing Program Pre-Nursing Math Proficiency - "Nursing ProCalc"

The math test required for admission to the nursing program will be available on computer in the Palm Beach State College Central and Belle Glade Campus Testing Center. Testing fee is \$5.00.

### I. Preparing for the Test

A. All students are encouraged to prepare for the Math Proficiency Exam.

Strategies **may** include:

1. Independent review of math materials
2. Practice in the Math Lab ETA 230
  - Abbreviations and Equivalencies
  - Drugs and Solutions Practice

B. The Math Competency Exam will contain the following types of questions:

1. conversions
  - metric/apothecary conversions (gr, mg, g)
  - metric/apothecary conversions (g, kg, oz)
2. calculations (# of tabs, caps, or ml to prepare)
3. calculations (maximum safe dosage/dose or day based on weight)
4. preparing tube feedings
5. IV fluid calculations

ml/hr (volume or fluid prescribed)  
gtts/min (volume of fluid prescribed)  
Drug dose/volume  
Drug dose based on weight  
ml/hr (drug dosage/hr or min prescribed)  
ml/hr (drug dosage/kg/hr or min prescribed)

6. The directions for rounding numbers will be given with each test question.

C. The following equivalencies will be used to determine test answers. You must learn these before taking the test.

1000 mcg	= 1 mg
1000 mg	= 1 g
1000 g	= 1 kg
2.2 lbs	= 1 kg
16 oz	= 1 lb
1 tsp	= 5 ml
1 tbs	= 15 ml
1 gr	= 60 mg

**Remember: This is a math test! Do not confuse the names of drugs and solutions!**

**For further information, please click on this link [question types](#).**

**Nursing Program**  
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**II. Test Administration Procedure**

- A. The following are required for admission to the exam:
  - 1. Photo ID
  - 2. Pay \$5.00 fee at the cashier
- B. The student will be given:
  - 1. The name of the exam
  - 2. A password (which will allow access to the exam on the computer)
- C. The exam will contain twenty questions; One hour will be allotted to complete the exam.
- D. A score of at least 80% is required to pass. (No more than four questions can be missed).
- E. A calculator may be used during the test (will be provided). Scrap paper will be provided and must be turned in prior to leaving the testing area.

**The results will be forwarded to the Admissions Office.**

There is no limit to the number of times the exam can be retaken. A different version of the exam will be available each time. **Only one exam can be taken per day.** The student must pass the Math Proficiency Exam prior to the program application deadline.