Birmingham City University

Faculty of Health

Undergraduate Nursing Pre-entry Testing

Numeracy Assessment – Sample Test Paper

This provides you with a sample of questions designed to test your basic numeracy skills as part of the recruitment and selection process for the BSc (Hon's) Nursing Programme (Adult, Child, Mental Health and Learning Disabilities) offered here at Birmingham City University.

The requirement for this testing has been developed following the Nursing and Midwifery Council (NMC) (2010) standards for pre-registration nursing education. Standard 3 of the NMC (2010) publication details the selection and admission process to ensure an open and fair process for all candidates applying for pre-registration nurse training.

On your interview day this numeracy test will be undertaken electronically thus also demonstrating your basic IT skills.

Good luck

Regards

Birmingham City University Pre-registration Nursing Admissions Tutors

Sample Numeracy Test

There are two tests for you to undertake for your numeracy assessment. The first test consists of 6 questions which you must answer without the use of a calculator. The second test also consists of 6 questions; during this test you must use a calculator when answering the questions. Overall these two tests have been designed for you to demonstrate your skills at:

- addition
- subtraction
- division and multiplication
- use of decimals
- fractions
- percentages and
- the use of a calculator

Good luck

Sample Numeracy Test Without the Use of a Calculator.

There are 6 questions in this numeracy test which have been designed for you to demonstrate your skills at:

- addition
- subtraction
- division and multiplication
- use of decimals
- fractions and
- percentages

No calculator is to be used during this test, please feel free to use a pen and paper to help you calculate the answers to these questions. You have been allocated 15 minutes for this numeracy test.

Good luck

Question 1   **What is 10% of 360?**

Answer: **36**

Question 2   **If you had 2498 patients who had undergone day surgery, 67 patients who were admitted with a surgical emergency and 278 patients admitted for planned complex surgery how many patients in total would have undergone surgery?**

Answer: **2843**

Question 3   **Please divide 49 by 1000**

Answer: **0.049**

Question 4   **Please simplify this fraction to its lowest terms 290/580**

Answer: **1/2**

Question 5   **If you had 8004 health leaflets to distribute in two weeks and you distributed 6365 in week one, how many health leaflets would you have left to distribute for the following week?**

Answer: **1639**

Question 6   **Please multiply 34 x 52.6**

Answer: **1788.4**

Sample Numeracy Test With the Use of a Calculator.

There are 6 questions in this numeracy test which have been designed for you to demonstrate your skills at:

- addition
- subtraction
- division and multiplication
- use of decimals
- fractions and
- percentages

A calculator is to be used during this test. You have been allocated 15 minutes for this numeracy test

Good luck

Question 1   **What is 3.5% of 200?**   Answer: **7**

Question 2   **If you had 0.85ml of medicine in one syringe, 5.36ml of medicine in another syringe and 8.02ml of medicine in another syringe how many ml of medicine will you have in total?**

Answer: **14.23ml**

Question 3   **What is 7/8 of 728?**   Answer: **637**

Question 4   **If you have 720 packets of biscuits in 20 boxes how many packets of biscuits are in each box?**

Answer: **36**

Question 5   **Please subtract 9734 from 11363**   Answer: **1629**

Question 6   **Please multiply 2.75 by 91**   Answer: **250.25**