**INTERNATIONAL TRAINING COLLEGE - LINGUA**

**Towards Educational Excellence**

**NCHE Reg. No: R0014**

**NQA Accreditation No: 000244**

**DEPARTMENT OF EDUCATION**

## MAJOR TEST 1 APRIL 2023

### QUALIFICATION : JUNIOR PRIMARY 6,

### SUBJECT/COURSE : MATHEMATICS

**EXAMINER : MRS. L.T NGHIDINWA**

**MODERATOR : MRS. M. KAWESHA**

**TOTAL MARKS : 50**

**MARKS**

**\_\_\_\_ = \_\_\_\_\_%**

 **50**

**DURATION : 1 HOUR 30 MINS**

**INSTRUCTIONS**

* Write your name and student number in the space provided.
* Answer all questions in the space provided below.
* Write neatly and clearly
* Marks are indicated at the **END** of each question.
* All **Cell phones** must be switched off during exam session.







 **FT PT Dis (*Please Tick one box only)***

**Student Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Surname:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Use **<, >, =** to make each statement true.
2.  …………… 0.25 (2)
3. -7 ……………… (-14 + 7) (2)
4.  …………… 32 (2)
5. 17; 0.768; -4; ; 19; ; -5.023491; 17; From the given list of real numbers, write down the numbers which are:
6. Natural numbers (2)

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1. Irrational numbers (2)

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1. Integers (2)

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1. Rational numbers, but not integers (2)

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1. Prime numbers (2)

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1. Jane goes to a bank to change N$100 into Riyals. The bank takes $ 2. 40 and then the rest of the money at a rate of N$ 1 = 3.75 Riyals.

How much does Jane receive in Riyals? (3)

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1. (a) Given y = 4uv -3v, find the value of y when u = -3 and v = 2. (3)

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(b) If **a = 2, b = -3** and **c = 4**. Find the value of **2ab ÷ c** (3)

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 5. (a) Simplify: 2t – 5m – 7t + 9m (3)

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 (b) Solve the equation: 3(2a - 6) + 4(2 - 5a) = 18 (4)

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 (c) Factorise completely:

 (i) 15p2q – 30 pq2 (2)

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 (ii) 25a2 - 36b2 (2)

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 (iii) 2x2 – 8 (2)

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1. Toffees cost **t** cents each and pieces of fudge cost **f** cents each. Tjaa buys 8 toffees and 3 pieces of fudge.
2. Write down the total cost, in cents, in terms of **t** and **f**. (2)

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1. Write down the total cost in Namibia dollars. (2)

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1. Find the total cost, in N$, when t = 50 and f = 75 (2)

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1. (a) Tom buys a cellphone for N$ 200 and sell it for N$ 150.
2. Did he make a profit or loss? (1)

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1. Calculate the amount of profit or loss he made. (2)

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1. Calculate the percentage profit or loss. (2)

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(b) Sabi invests N$ 10 000 at 5% simple interest per year. Calculate the interest earned after 3 years. (1)

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