

## Student Script Cover Page

Please fill in the information clearly before submitting:

Student Full Name:

Kirungi Peter

Student ID Number:

1917714

Subject:

Maths

Test Title:

bot 1

Instructions:

- This page must be placed as the first page of each student's script.
- Do not write outside the boxes.
- This helps with automated processing.

Name: Amos Paul

- b) Nakota exerts a lot of pressure than her brother  
This high pressure is due to a small area of her shoes in contact with the ground unlike her brother

Nakota

$$P = F/A = \frac{60 \times 10}{0.015} = 40,000 \text{ N/m}^2$$

Brother

$$P = F/A = \frac{65 \times 10}{0.035} = 16,257 \text{ N/m}^2$$

- d) - wear shoes with wider sole  
- stand on a wooden board