



# basic education

Department:  
Basic Education  
**REPUBLIC OF SOUTH AFRICA**

**NATIONAL  
SENIOR CERTIFICATE**

**GRADE 12**

**MATHEMATICAL LITERACY P1**

**ADDENDUM**

**NOVEMBER 2019**

**This addendum consists of 4 pages with 3 annexures.**

## ANNEXURE A

## QUESTION 2.1

## EXTRACT FROM MR DANIELS' MONTHLY MUNICIPAL STATEMENT

<b>Mr KJ Daniels</b> <b>14 Sirkoon Street</b> <b>Kruger Park</b> <b>2738</b>	Date: 2019/03/12 Statement for: March 2019
---	---

STAND SIZE	NUMBER OF DWELLINGS	DATE OF VALUATION	PORTION	MUNICIPAL VALUATION	REGION
463 m <sup>2</sup>	1	2018/07/01	R1	Market value R944 630,00	WARD C

ACCOUNT NUMBER: 345 678 8900 60		SUBTOTAL (R)	TOTAL AMOUNT (R)
Water and sewer			
Reading period	2019/01/16 to 2019/02/12		
Meter reading	Start: 795 000 End: 807 000		
Water usage	12 kℓ (kilolitres)		
Daily average consumption	0,429 kℓ		
Charges for 12 kℓ are based on a sliding scale for a 28-day period			
Total water charge (excluding VAT)		<b>B</b>	
Water demand management levy		22,64	
Monthly sewer charge based on stand size (excluding VAT)		<b>A</b>	
VAT: 15%		73,75	

<b>PAYMENT DUE</b>	<b>XXX</b>
<b>DUE DATE</b>	<b>2019/03/27</b>

STEPPED RESIDENTIAL WATER TARIFF	
KILOLITRES PER CONNECTION PER MONTH	2018/19 TARIFF (R/kℓ) EXCLUDING 15% VAT
from 0 to 6	8,28
above 6 to 10	8,79
above 10 to 15	15,00
above 15 to 20	21,83

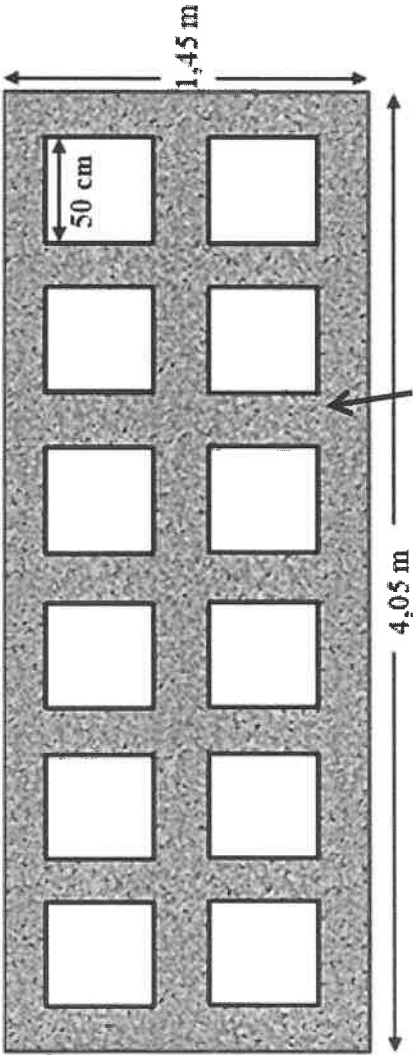
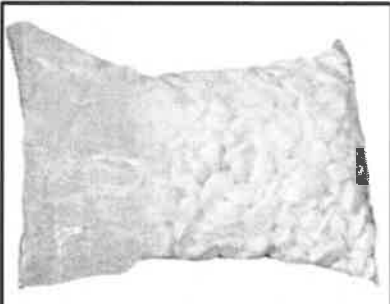

SEWER MONTHLY CHARGE BASED ON STAND SIZE	
STAND SIZE (m <sup>2</sup> )	2018/19 TOTAL CHARGE (IN RAND) EXCLUDING 15% VAT
Up to and including 300 m <sup>2</sup>	194,67
Larger than 300 m <sup>2</sup> to 1 000 m <sup>2</sup>	378,95
Larger than 1 000 m <sup>2</sup> to 2 000 m <sup>2</sup>	573,29
Larger than 2 000 m <sup>2</sup>	836,02

[Adapted from [www.joburgwater.co.za](http://www.joburgwater.co.za) and [www.jotariffs.co.za](http://www.jotariffs.co.za)]

**ANNEXURE B**

**QUESTION 3.2**

**THABISO'S LAYOUT PLAN FOR HIS WALKWAY**

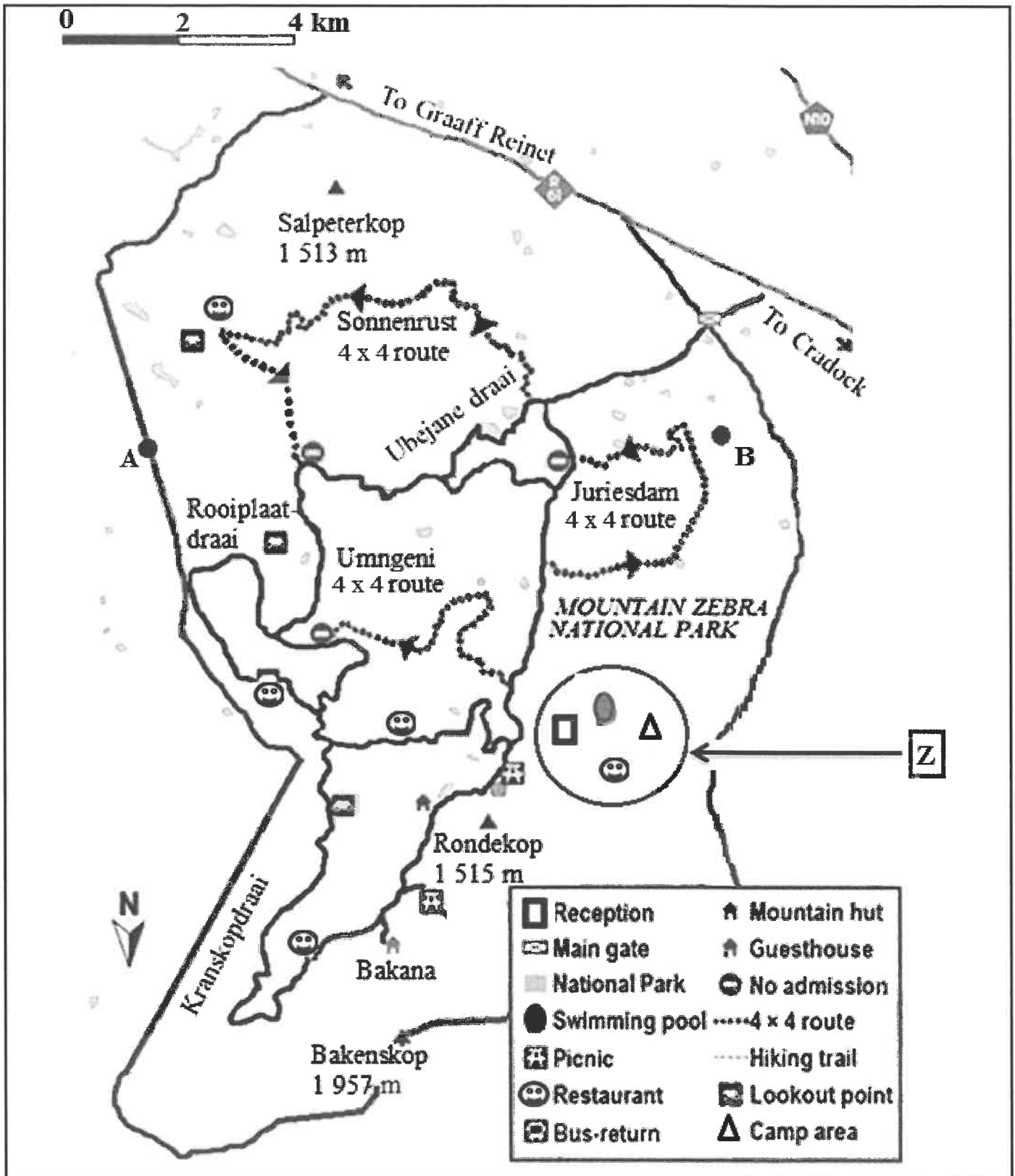
<p><b>Thabiso's walkway</b></p> 	<p><b>Bag of pebbles</b></p> 
<p><b>Photo of a typical arrangement</b></p> 	<p><b>Dimensions and information</b></p> <ul style="list-style-type: none"> <li>• The dimensions are 4,05 metres by 1,45 metres.</li> <li>• 1 concrete block = 50 cm x 50 cm.</li> <li>• The pebbles are sold in 20 kg bags that covers an area of approximately 0,36 m<sup>2</sup>.</li> <li>• He will need 12 blocks, as shown in the sketch above.</li> </ul>

[Source: [www.home-dzine.co.za](http://www.home-dzine.co.za)]

ANNEXURE C

QUESTION 4.1

MAP OF THE MOUNTAIN ZEBRA NATIONAL PARK



[Adapted from [www.grafieka24.com](http://www.grafieka24.com)]