

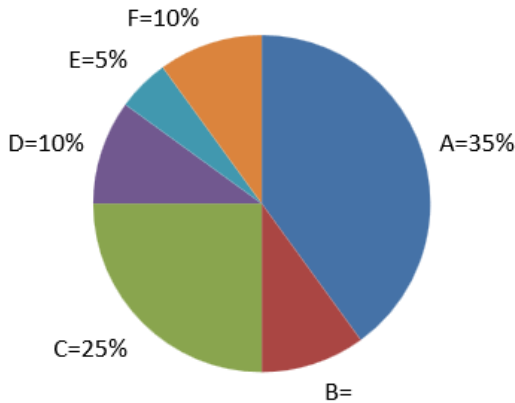


Subject: Grade 11 Maths Literacy
Topic: Mathematical Literacy: Term 2 - Exam 1
Total: 104 Marks

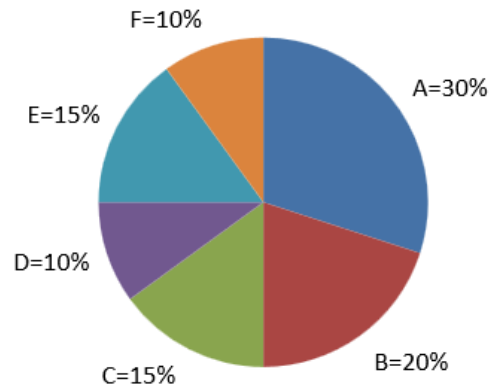
Name: _____
Date: _____

This image refers to question: 1

Hannah's monthly budget with an income of R20 000



Hannah's parents' monthly budget with an income of R45 000



Key for the diagrams	
A	Cost of accommodation (rent and utilities)
B	Food
C	Clothing and personal care
D	Medical expenses
E	Savings
F	Communication (Cell phone and internet)

Question 1: Please Fill In The Blanks

4 marks

Hannah leaves home and sets up in a flat of her own. She compares her monthly budget to that of her parents and uses the information she gathers to draw the diagrams shown. Complete the sentences:

- Hannah's parents budget to spend (1) Hannah on "Communication" each month.
- Hannah budgets to spend (2) her parents on "Clothing and personal care" each month.

Possible Answers: less money than | the same amount as | more money than | an equivalent amount to

1	
----------	--

2	
----------	--



This image refers to question: 2



Cash Price: R2 500

Deposit of 15% and payable

Over 18 months at 12% interest.

Question 2: Multiple Choice

4 marks

Study the advertisement for a microwave oven with the hire purchase option over 18 months with interest of 12%pa and a deposit of 15%.

The total amount paid for the microwave oven on the hire purchase option will be:

- | | |
|----------|------------|
| A | R2 125, 00 |
| B | R2 882, 50 |
| C | R2 507, 50 |
| D | R2 950, 00 |

This image refers to question: 3, 4

Pro Bank - Monthly Statement

Account name:	Mrs H Dumisane	Statement date:	01-Sep-21
Account number:	4088856730	Frequency:	Monthly
Account type:	Savings	Statement period	From 01-Aug-21 to 31-Aug-21

Date	Description	a.	b.	Balance
02/08/2021	Withdrawal at ABC Bank ATM		-R 300,00	R 150,00
04/08/2021	Deposit	R 2 000,00		R 2 150,00
07/08/2021	Best Fit Clothing		-R 210,00	R 1 940,00
13/08/2021	Sitting Pretty Flowers		-R 150,00	R 1 790,00
21/08/2021	EFT Make Me Smile		-R 1 200,00	R 590,00
27/08/2021	Salary	R 3 750,00		R 4 340,00

Question 3: Multiple Choice

4 marks

Consider the bank statement shown. The savings account earns 7% interest per annum, compounded monthly.

The interest earned on 13/08/2021 will be:

- | | |
|----------|----------|
| A | R0, 34 |
| B | R34, 32 |
| C | R10, 44 |
| D | R125, 30 |

This image refers to question: 4

Pro Bank	
Withdrawals at Pro Bank ATM	R 3,50
Withdrawals at other ATM	R 9,00
Deposit at ATM	R 4,00 per 100
SMS notification	R 1,50
Monthly admin fee	R 8,00 per month
EFT	R 0,50

Question 4: Please Fill In The Blanks

6 marks

Consider the table of charges for Pro Bank and the statement shown and then select the correct options.

Bank charges at the end of August, for the statement shown, will include (1) for the withdrawal on 02/08/2021, (2) for the EFT on the 21/08/2021 and (3) for the monthly admin fee.

Possible Answers: R0,50 | R1,50 | R3,50 | R8,00 | R9,00

1	
3	

2	
----------	--

This image refers to question: 5, 6

SAVE R 500



Moira 4Pce Lounge Suite

Now Only

R 6,999

Get it on credit

R 416.00 x 30 months

Question 5: Please Fill In The Blanks

8 marks

Consider the advertisement for the lounge suite and then select the correct options below.

The cash price is (1) but the loan amount will be (2) after a 10% deposit has been paid. The real cost of the loan over the 30 months will be (3) which means that the total cost of the lounge suite, if it is purchased on HP, will be (4) .

Possible Answers: R13 179,10 | R12 480,00 | R6 999,00 | R6 299,10 | R699,90

1	
3	

2	
4	

Question 6: Multiple Choice

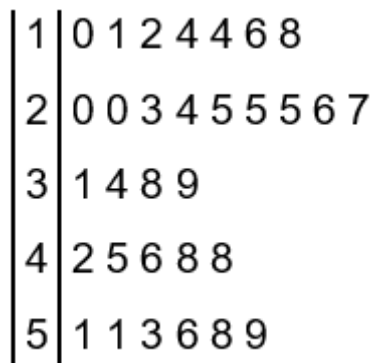
4 marks

Consider the advertisement for the lounge suite.

If the lounge suite was purchased on a hire-purchase agreement and the first repayment was in March 2023, when will the final repayment be made?

- | | |
|----------|----------------|
| A | July 2025 |
| B | August 2025 |
| C | September 2025 |
| D | March 2026 |

This image refers to question: 7

**Question 7: Please Fill In The Blanks**

8 marks

Study the stem-and-leaf plot showing the numbers that have been drawn in the National Lottery over the last 6 weeks and then select the correct options.

25 has been drawn the (1) and is thus the (2), while the (3) is 27 because it is in the (4).

Possible Answers: middle | most | median | mode

1	
3	

2	
4	

This image refers to question: 8



Samsung 535lt fridge/freezer

Cash Price: ???

Payment options:

Deposit: R1 760

R1 314,19 for 18 months

Question 8: Please Fill In The Blanks

8 marks

Consider the advert for the fridge where the deposit is 10% of the cash price.

The cash price is R (1) .

For a hire-purchase agreement, the loan amount is R (2) .

The real cost over the 18 months is R (3) .

The total cost of the fridge on hire-purchase will be R (4) .

Possible Answers: R15 840 | R17 600 | R23 655,42 | R25 415,42

1	
3	

2	
4	

This image refers to question: 9

Height (cm)	No. of students
$145 < h \leq 150$	2
$150 < h \leq 155$	4
$155 < h \leq 160$	5
$160 < h \leq 165$	A
B	26
$170 < h \leq 175$	17

Question 9: Multiple Choice

4 marks

The table shows the distribution of the heights of 68 students in a local school.

Select the correct values for A and B respectively.

- | | |
|----------|--|
| A | $A = 14$ and $B = 165 < h \leq 170$ |
| B | $A = 14$ and $B = 166 < h \leq 170$ |
| C | $A = 14$ and $B = 165 \leq h \leq 170$ |
| D | $A = 14$ and $B = 165 < h < 170$ |

Question 10: Multiple Choice

4 marks

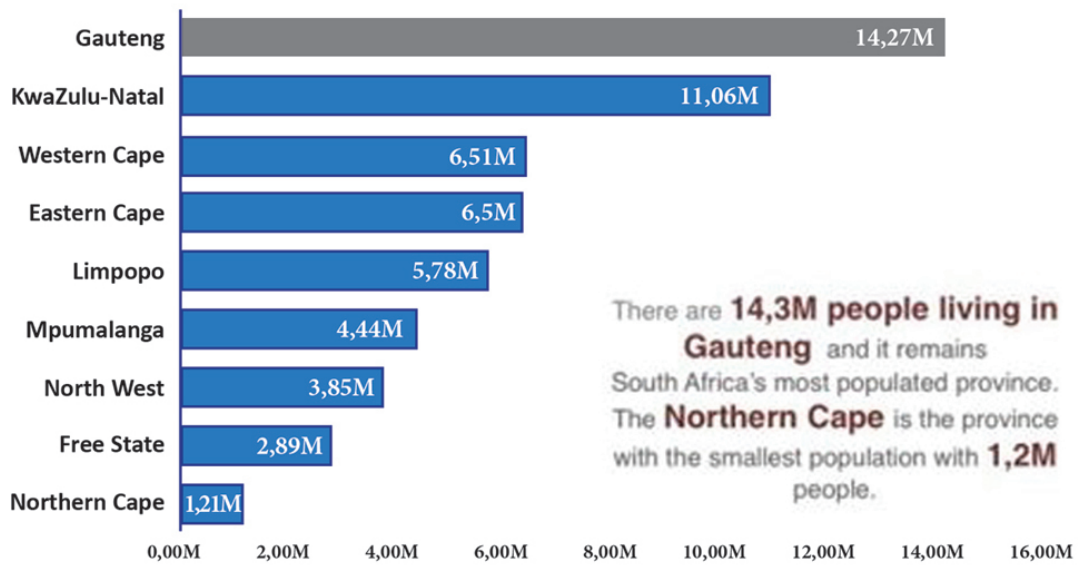
A bag contains 3 red marbles and 4 blue marbles. Two marbles are removed from the bag. The first marble is replaced before the second is drawn.

The probability that both balls drawn are the same colour is:

- | | |
|----------|-----------------|
| A | $\frac{9}{49}$ |
| B | $\frac{12}{49}$ |
| C | $\frac{16}{49}$ |
| D | $\frac{25}{49}$ |

This image refers to question: 11

Population Rank by Province



Question 11: Please Fill In The Blanks

6 marks

Study the population chart provided by Stats SA and then complete the sentences.

(1) is the province with the largest population while (2) has the median population and (3) has the smallest population.

Possible Answers: Gauteng | Eastern Cape | Limpopo | Mpumalanga | Northern Cape

1	
3	

2	
---	--

This image refers to question: 12

KWIKSPAR

237 MAIN ROAD BRAKENFELL

TEL: (021) 552 6453

FAX: (021) 552 4453

FULLCREAM MILK 2L		
2 @ 28.99	57.98*	
SCHWEPES SODA 2L	13.99	
PARMALAT D/C PLAIN	32.99	
YOGHURT 1KG		
TASTIC RICE 1KG	19.99	
BAKERS BISCUITS CHOC-KITS 200G	31.99*	
BULK BEEF CUBES 2KG	82.60	
CADBURY CHOCOLATE	32.99	
BANANAS FOR KIDS	14.99*	

TOTAL:	287,52
CASH	
CHANGE	
15% VAT	

08/07/2022 09:56

CASHIER: VANESSA MADUNA

CUSTOMER HELP LINE: 08601234518

HAVE A NICE DAY

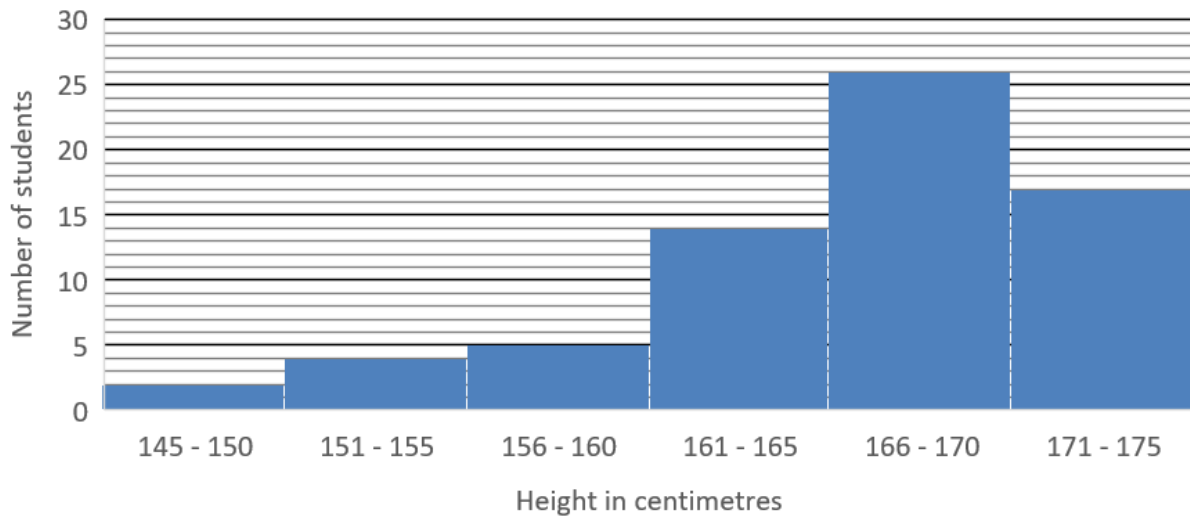
Question 12: Multiple Choice

4 marks

The VAT that has been included in the Kwikspar slip shown (A) is:

- | | |
|----------|---------|
| A | R43, 13 |
| B | R37, 50 |
| C | R23, 81 |
| D | R27, 38 |

This image refers to question: 13



Question 13: Multiple Choice

4 marks

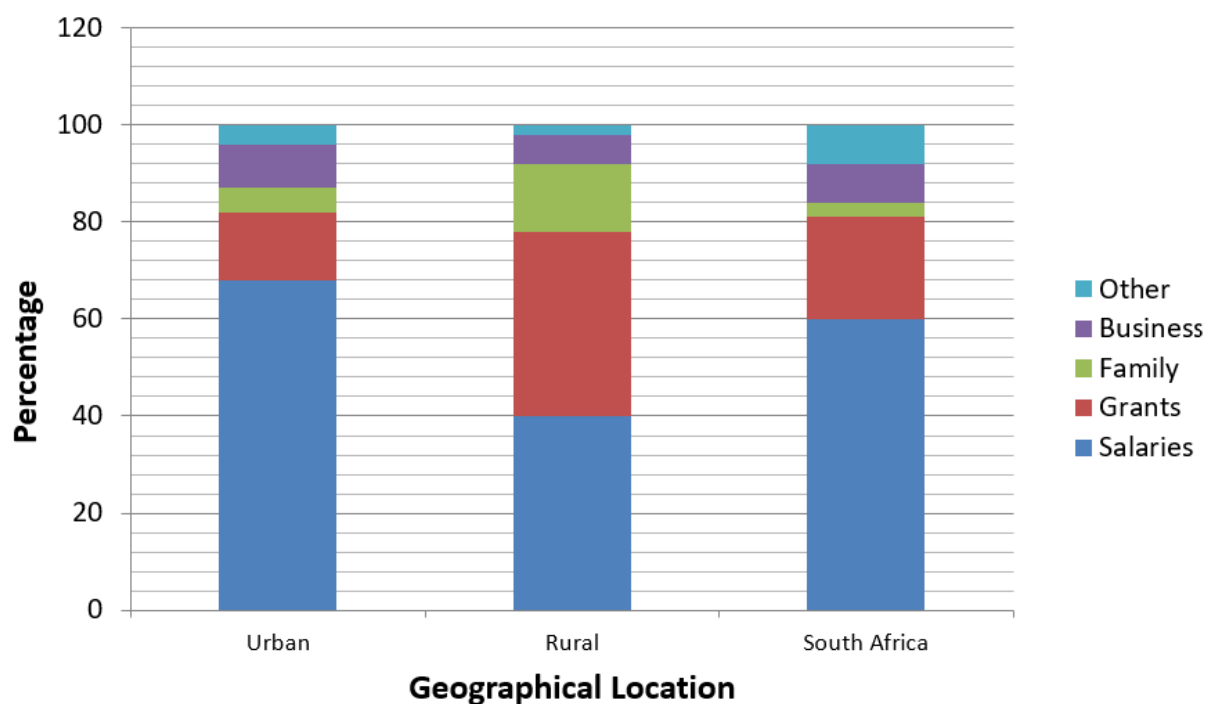
The graph shows the distribution of the heights of Grade 12 students in a local school. These values include both the girls' and boys' heights.

Select the statement that would NOT apply if only the boys' heights were graphed.

- | | |
|----------|--|
| A | There will be less students in the lower height intervals. |
| B | The 171 – 175 cm interval may have the most students. |
| C | The 171 – 175 cm interval will have more students than it had. |
| D | The 166 – 170 cm interval may have less students than it had. |

This image refers to question: 14, 15

Main source of household income by geographical location



Question 14: Multiple Choice

4 marks

Consider the diagram showing the main source of household income by geographical location.

The diagram is a:

- | | |
|----------|----------------------|
| A | Vertical Histogram |
| B | Stacked bar graph |
| C | Horizontal bar graph |
| D | Vertical pie chart |

Question 15: Please Fill In The Blanks

6 marks

Consider the diagram showing the main source of household income by geographical location.

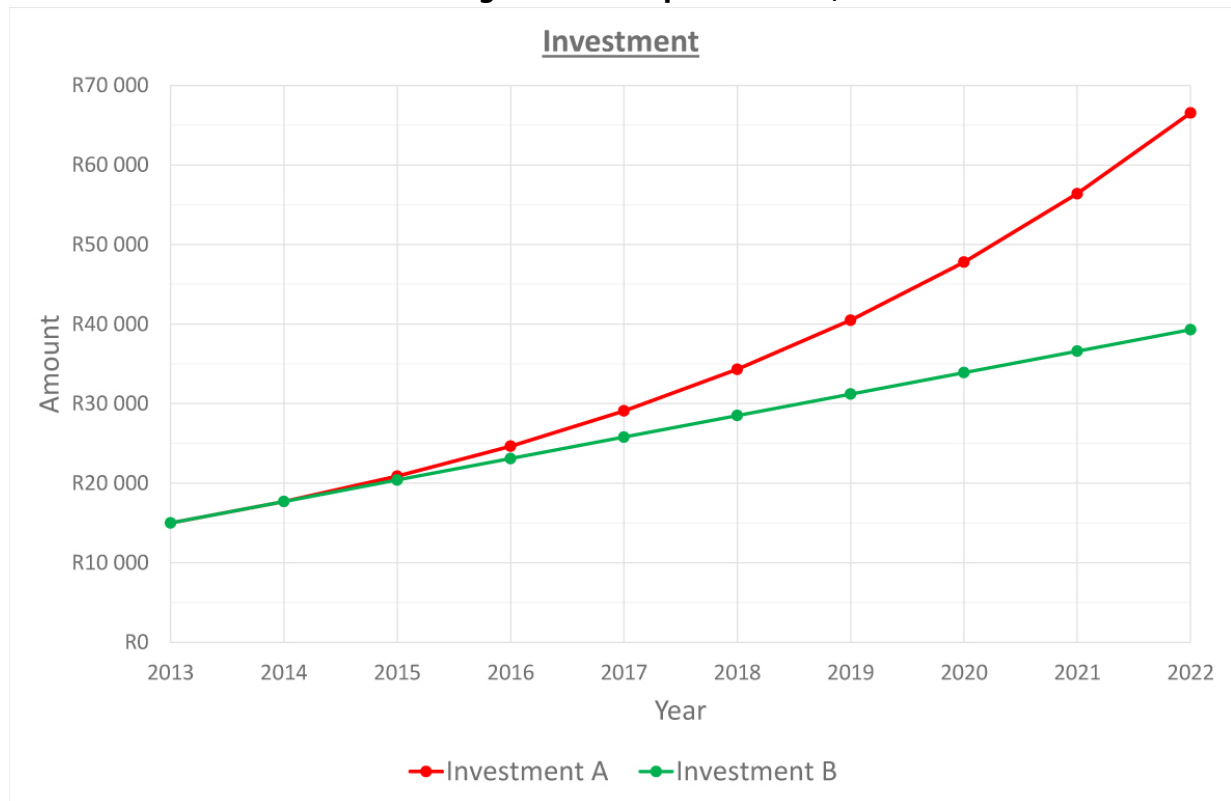
The smallest percentage of income in rural areas is from (1) while overall in South Africa the smallest percentage of income comes from (2) and the largest is from (3) .

Possible Answers: Other | Business | Family | Grants | Salaries

1	
3	

2	
----------	--

This image refers to question: 16, 17



Question 16: Please Fill In The Blanks

8 marks

Consider the graph showing **two** different investments and then select the correct values in each case.

(1) was invested in each investment initially. After 9 years the investment that is earning simple interest has a value of (2) while the investment which is earning compound interest has a value of (3) . This means that the compound interest investment earned (4) interest in 9 years.

Possible Answers: R15 000 | R24 050 | R39 050 | R52 000 | R67 000

1	
3	

2	
4	

Question 17: Multiple Choice

4 marks

Consider the graph of Investment A.

How many years did it take Investment A to double in value?

- | | |
|----------|---------|
| A | 5 years |
| B | 6 years |
| C | 7 years |
| D | 8 years |
-

Question 18: Please Fill In The Blanks

4 marks

Lulani is concerned about the use of plastics as there is a lot of plastic pollution in the oceans. She asked shoppers how many items in their month-end shop are single use plastic packaging and records the list below.

0; 10; 3; 24; 10; 30; 18; 17; 10; 21; 23; 4; 37; 27; 3; 27

The data that Lulani collected is (1) and the values are (2) .

Possible Answers: Categorical | Numerical | Discrete | Continuous

1		2	
----------	--	----------	--

This image refers to question: 19

ABC Bank Bank Statement			
Tel 012345678		PO Box 100 Parkwalk 78646	
Joe Soap 6534 Happy Lane Parkwalk 78646		Account no: 012345 Branch: 00001 Type: Current Statement date: Jan 2022	
Date	Details	Amount	Balance
01 Jan 2022	Opening balance		R12 890
06 Jan 2022	EFT 01	R2 000	R10 890
07 Jan 2022	Deposit 789	R5 000	R15 890
14 Jan 2022	EFT 02	R1 800	R14 090
17 Jan 2022	Stop order	R1 050	R13 040
19 Jan 2022	Direct deposit	R20 000	R33 040
25 Jan 2022	Bank charges	R40	R33 000
29 Jan 2022	Interest	R65	R33 065

Question 19: Please Fill In The Blanks

6 marks

Consider the bank statement shown and then select the correct options.

The opening balance of R12 890 is a (1) balance. At the end of the month after all transactions are complete, the bank charges of Timeout waiting for MathJax: restarting are (2) while the interest earned of R65 is (3) .

Possible Answers: credit | debit | credited | debited

1	
3	

2	
---	--

This image refers to question: 20

City of Cape Town – Tariffs and Charges

<i>Low Cost (for less than 450kWh average per month)</i>	<i>High Cost (for greater than 450kWh average per month)</i>
0 – 150kWh @ 64.93c/kWh	0 – 150kWh @ 113.20c/kWh
150.1 – 350kWh @ 89.95c/kWh	150.1 – 600kWh @ 118.11c/kWh
350.1 – 600kWh @ 118.11c/kWh	More than 600kWh @140.18c/kWh
More than 600kWh @140.18c/kWh	

Question 20: Multiple Choice

4 marks

Hloni lives in Kraaifontein in Cape Town. The average monthly household electricity usage in the area is 250kWh.

If Hloni uses 250 kWh of electricity in a month, her usage charge will be:

- | | |
|----------|-------------|
| A | R295, 28 |
| B | R224, 88 |
| C | R18 734, 50 |
| D | R187, 35 |

Total: 104 Marks