

## GRADE 11 MATHEMATICAL LITERACY TERM 3 TEST

QUESTION 1 17 MARKS

Mark wants to build a loft for his daughter. See the plan on Annexure A to answer the questions that follow:

1.1 Is the plan shown on Annexure A, an elevation or floorglan? (2)
1.2 How many doors are visible on the map? (2)
1.3 What is represented by the lines A = 0? (2)
1.4 In what direction does the belcony face? (2)
1.5 Determine the area of the belcony if it is 20% of the total 64m° area. (3)
1.6 If they get a quote of K70500, determine the price per square meter. (3)
1.7 Draw 2 is elevations (west, South) of the loft from the same angle with a scale of 1.1,5m
Assume the loft is on top of a garage with no windows. (6)

QUESTION 2 25 MARKS

Jesse is saving up for the holidays. She decides to sell brownies at the local farmer's market every Saturday. The amounts indicated below will yield 505 brownies and she decides to sell them for X7,00 a piece.

Carcae	8302,50
Butter	846,80
Sugar	838,25
Epp.	966,60

2.1	Give TWO ideas on how sesse can promote brownie sales.	(2)
22	What does it mean to break even?	(1)
23	She determines that other expenses will add up to about R80,00. Determine how many brownies she should self to break even.	(51)
2.4	indicate your results for Question 2.3 on a graph.	(3)
2.5	is 87,00 an appropriate selling price? Give a reason for your answer.	(2)
2.6	She sells 50 brownies every Saturday for 8 weeks for R8,50 a piece. Determine her income.	(2)
2.7	She calculates that one brownie costs her RE,20 to produce what is her profit margin?	(20)
2.0	To fund this project, lesse borrowed 40050,00 from her dad with a 2% interest rate. Determine the amount she must repay him.	(2)

QUESTION 3 22 MARKS

3.1 Mr Johnson invests money in a fixed deposit account. He invests R2000 at an interest rate of 7,8% year, use the table below to calculate how much his investment would be worth on 30 April if he made the investment on 15 January.

Month	No of Days	Opening balance	Duly interest	Monthly	Closing balance
Jan			proving.	200	
Peb					
March					
April					

160

12 Nr Johnson wants to renew his cellphone contract and considers the following cotions.

Option A:	Option 8:	Option C:	Ogition D:
Fixed monthly	Monthly fee of R29.	Monthly fee of 856.	Monthly fee of \$350
amount of Ratio for 200min and 5000M8 data	and a tarriff of R0,30 per minute and R0,80 per 25M6		for 130 minutes and 5000M8, there minutes at a tariff of R1,45 per minute

Matthe Lin.

Paper

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**CL Gary** 

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#### **Table of Contents Grade 1maths Lit Paper 21**

- 1. Understanding the eBook Grade 1maths Lit Paper 21
  - The Rise of Digital Reading Grade 1maths Lit Paper 21
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Grade 1maths Lit Paper 21
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - $\circ$  Features to Look for in an Grade 1maths Lit Paper 21
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Grade 1maths Lit Paper 21
  - Personalized Recommendations
  - Grade 1maths Lit Paper 21 User Reviews and Ratings
  - $\circ\,$  Grade 1maths Lit Paper 21 and Bestseller Lists
- 5. Accessing Grade 1maths Lit Paper 21 Free and Paid eBooks
  - Grade 1maths Lit Paper 21 Public Domain eBooks
  - Grade 1maths Lit Paper 21 eBook Subscription Services

- Grade 1maths Lit Paper 21 Budget-Friendly Options
- 6. Navigating Grade 1maths Lit Paper 21 eBook Formats
  - ∘ ePub, PDF, MOBI, and More
  - Grade 1maths Lit Paper 21 Compatibility with Devices
  - Grade 1maths Lit Paper 21 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Grade 1maths Lit Paper 21
  - o Highlighting and Note-Taking Grade 1maths Lit Paper 21
  - Interactive Elements Grade 1maths Lit Paper 21
- 8. Staying Engaged with Grade 1maths Lit Paper 21
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Grade 1maths Lit Paper 21
- 9. Balancing eBooks and Physical Books Grade 1maths Lit Paper 21
  - Benefits of a Digital Library
  - o Creating a Diverse Reading Collection Grade 1 maths Lit Paper 21
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Grade 1 maths Lit Paper 21
  - Setting Reading Goals Grade 1maths Lit Paper 21
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Grade 1maths Lit Paper 21
  - Fact-Checking eBook Content of Grade 1maths Lit Paper 21
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends

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- Interactive and Gamified eBooks

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