



Summaries SA

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Gr. 10 Mathematical Literacy

Term 2 - 2024

Paper 2

Total: 50 marks

Time: 1 hour

Learner's name: _____ Gr. 10: _____

Instructions and information:

- This question paper consists of two questions, answer both questions.
- The use of a calculator is not allowed.
- No Tip - Ex may be used.
- Show all the steps that were required in order to get to the answer.
- Good luck!

QUESTION	TOPIC	TOTAL
1	Finances	20
2	Distance / Temperature and volume	15
3	Map work	15
TOTAL		50

QUESTION 1

Sara is an aspiring chef who dreams of opening her own bakery. She recently graduated from culinary school and has saved up some money to start her business. Sara has found the perfect spot for her bakery but needs to calculate the costs involved in setting it up.

- 1.1 The rent for the bakery space is R 8 500 per month. If Sara plans to rent the space for one year and 6 months, how much will she spend on rent in total? (2)
- 1.2 Sara needs to purchase baking equipment, including an oven, mixer, and refrigerator, which costs a total of R 9 800. If she plans to pay 30% of the total cost upfront as a deposit and finance the remaining amount with a loan.
 - 1.2.1) How much money does she need to pay initially with the 30%? (7)
 - 1.2.2) Calculate the total cost of the baking equipment if the amount after the deposit needs to be paid back over two years at 1% simple interest. (3)
- 1.3 Sara plans to hire two assistant bakers to help with baking and customer service. If each assistant earns R 75 per hour and works 40 hours per week, how much will Sara spend on labor costs per month? (3)
- 1.4 To attract customers, Sara plans to offer a variety of baked goods, including cakes, pastries, and bread. If she estimates that the cost of ingredients for each item is as follows: R25 for a cake, R18 for pastries, and R22 for bread, and she wants to maintain a 30% profit margin on each item, what should Sara price each item to ensure a profit? (5)

Redraw the following table to answer question 1.4

Item	Original price	New Price
Cake	R 25	
Pastries	R 18	
Bread	R 22	

Answers Grademath Literacy Paper 2 June

Guillaume Favre



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Resources in Education, 1999-10 **The Journal of Education**, 1895 **Illinois School Research and Development**, 1993 **National Assessment of Educational Progress 1969-1983** Theodore B. Pratt, 1984 During its first 14 years of existence the National Assessment of Educational Progress NAEP was located at the Education Commission of the States ECS This annotated bibliography of 575 references lists all major publications by or about NAEP published between 1969 and 1983 References are in a classified arrangement by specific or special assessment Documents not dealing with a specific assessment are grouped by Methodological Publications Special Analyses and General and Miscellaneous Materials by NAEP are separated from materials about NAEP done by external organizations Subject Personal Author and Preparing Institution indexes are provided The compilation is based on materials documents and journal articles archived in the database of the Educational Resources Information Center ERIC and therefore most documents cited can be obtained through the ERIC Document Reproduction Service EDRS WTB Intelligent Computer Mathematics Manfred Kerber, Jacques Carette, Cezary Kaliszyk, Florian Rabe, Volker Sorge, 2015-06-22 This book constitutes the refereed proceedings of the International Conference on Intelligent Computer Mathematics CICM 2015 held in Washington DC USA in July 2015 The 16 full papers and 9 short papers presented together with two invited talks plus one abstract were carefully reviewed and selected from a total of 43 submissions The papers are organized in topical sections following the tracks of the conference Invited Talks Calculemus Digital Mathematics Libraries Mathematical Knowledge Management Projects and Surveys Systems and Data **Foundations of Nursing in the Community** Marcia Stanhope, RN, DSN, FAAN, Jeanette Lancaster, RN, PhD, FAAN, 2013-10-21 With concise focused coverage of community health nursing Foundations of Nursing in the Community Community Oriented Practice 4th Edition provides essential information for community practice from nursing roles and care settings to vulnerable population groups The book uses a practical community oriented approach and places an emphasis on health promotion and disease prevention Practical application of concepts is highlighted throughout the text in case studies critical thinking activities QSEN competencies and Healthy People 2020 objectives Evidence Based Practice boxes highlight current research findings their application to practice and how community public health nurses can apply the study results Levels of Prevention boxes identify specific nursing interventions at the primary secondary and tertiary levels to reinforce the concept of prevention as it pertains to community and public health care Focus on health promotion throughout the text emphasizes initiatives strategies and interventions that promote the health of the community Clinical Application scenarios offer realistic situations with questions and answers to help you apply chapter concepts to practice in the community Case Studies provide client scenarios within the community public health setting to help you develop assessment and critical thinking skills What Would You Do boxes present problem solving challenges that encourage both independent and collaborative thinking required in community settings How To boxes offer specific instructions on

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Failure Vicki E. Alger, 2016-07-01 A comprehensive account and frank assessment of federal involvement in education is long overdue Education policy expert Vicki E Alger remedies this deficiency with her book *Failure The Federal Miseducation of America's Children* As its title indicates *Failure* makes no effort to sugar coat its findings Created in 1979 after a lobbying campaign that spanned generations the Department of Education has failed to live up to its promises Federal involvement whether related to testing funding or academic curricula has failed to abide by the Constitution's implication that education must remain the domain only of state and local governments and private institutions Most of all the central government's pervasive meddling in education has failed America's school children and their parents Education policy has long been mired in controversies often with opposing sides missing the mark *Failure* helps us step back from the skirmish du jour and redirects our focus to the big picture showing us what's gone wrong over the decades and the institutional causes of these failures It also offers a bold blueprint for returning the federal government to its constitutional role and for cultivating an educational system that meets the needs of students and parents rather than bureaucrats Concerned citizens of every stripe will benefit from *Failure's* history of federal education policy its brutally honest report card for the Department of Education its look at education systems across the globe and its ambitious policy recommendations *Failure* might even succeed in reframing the way the federal education establishment thinks about education policy **Journal of Education**, 1884

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Table of Contents Answers Grademath Literacy Paper 2 June

1. Understanding the eBook Answers Grademath Literacy Paper 2 June
 - The Rise of Digital Reading Answers Grademath Literacy Paper 2 June
 - Advantages of eBooks Over Traditional Books
2. Identifying Answers Grademath Literacy Paper 2 June
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Answers Grademath Literacy Paper 2 June
 - User-Friendly Interface
4. Exploring eBook Recommendations from Answers Grademath Literacy Paper 2 June
 - Personalized Recommendations
 - Answers Grademath Literacy Paper 2 June User Reviews and Ratings
 - Answers Grademath Literacy Paper 2 June and Bestseller Lists

5. Accessing Answers Grademath Literacy Paper 2 June Free and Paid eBooks
 - Answers Grademath Literacy Paper 2 June Public Domain eBooks
 - Answers Grademath Literacy Paper 2 June eBook Subscription Services
 - Answers Grademath Literacy Paper 2 June Budget-Friendly Options
6. Navigating Answers Grademath Literacy Paper 2 June eBook Formats
 - ePub, PDF, MOBI, and More
 - Answers Grademath Literacy Paper 2 June Compatibility with Devices
 - Answers Grademath Literacy Paper 2 June Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Answers Grademath Literacy Paper 2 June
 - Highlighting and Note-Taking Answers Grademath Literacy Paper 2 June
 - Interactive Elements Answers Grademath Literacy Paper 2 June
8. Staying Engaged with Answers Grademath Literacy Paper 2 June
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Answers Grademath Literacy Paper 2 June
9. Balancing eBooks and Physical Books Answers Grademath Literacy Paper 2 June
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Answers Grademath Literacy Paper 2 June
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Answers Grademath Literacy Paper 2 June
 - Setting Reading Goals Answers Grademath Literacy Paper 2 June
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Answers Grademath Literacy Paper 2 June
 - Fact-Checking eBook Content of Answers Grademath Literacy Paper 2 June
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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 determine the pressure ratio developed and the specific work input to drive a centrifugal air compressor having an impeller diameter of 0.5 m and running at 7000 rpm assume zero whirl at the

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 various compressor types vary in capacity to specify particular application of compressor equipment amount of inlet air consumed upon a particular given time prior to compression is also considered a unit capacity

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