



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 floorplan? (2)
- 1.2 How many doors are visible on the map? (2)
- 1.3 What is represented by the lines A – D? (2)
- 1.4 In what direction does the balcony face? (2)
- 1.5 Determine the area of the balcony if it is 10% of the total 64m² area. (2)
- 1.6 If they get a quote of R70500, determine the price per square meter. (2)
- 1.7 Draw 2 x 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. (8)

QUESTION 2

21 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 105 brownies and she decides to sell them for R7,00 a piece.

Cocoa	R102,50
Butter	R48,80
Sugar	R38,20
Eggs	R68,80

- 2.1 Give TWO ideas on how Jesse can promote brownie sales. (2)
- 2.2 What does it mean to break even? (2)
- 2.3 She determines that other expenses will add up to about R80,00. Determine how many brownies she should sell to break even. (5)
- 2.4 Indicate your results for Question 2.3 on a graph. (2)
- 2.5 Is R7,00 an appropriate selling price? Give a reason for your answer. (2)
- 2.6 She sells 50 brownies every Saturday for 8 weeks for R8,30 a piece. Determine her income. (2)
- 2.7 She calculates that one brownie costs her R8,20 to produce. What is her profit margin? (2)
- 2.8 To fund this project, Jesse borrowed R1000,00 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	Daily interest	Monthly interest	Closing balance
Jan					
Feb					
March					
April					

(6)

- 3.2 Mr Johnson wants to renew his cellphone contract and considers the following options.

Option A: Fixed monthly amount of R400 for 100min and 5000MB data	Option B: Monthly fee of R28, and a tariff of R1,30 per minute and R0,80 per 25MB	Option C: Monthly fee of R34, and a tariff of R0,99 per minute and R0,75 per 25MB	Option D: Monthly fee of R390 for 150 minutes and 5000MB. Extra minutes at a tariff of R1,45 per minute
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Grade 1mathematical Literacy Exam Paper

Michael Rajnik



Grade 1mathematical Literacy Exam Paper:

X-kit FET Grade 12 MATHEMATICAL LITERACY Derek Swart,2009 Current Studies in Pre-service Teacher Education Hakki Bağcı,Nigar Pösteki,2019-08-01 In recent decades learning another language and educating people with appropriate skills that address the requirements of the modern world have become significant issues Today around two billion people learn and use English to some extent and this number is expected to rise In the same vein recent rapid technological advancements have made it mandatory to adjust the education system to the requirements of this era Currently in the field of pre service education various new approaches are being applied This book will provide the reader with the chance to read about and understand contemporary topics approaches and methodologies in education in various fields In this sense it will be an essential resource for undergraduate graduate and PhD students and researchers wishing to learn about the recent developments in pre service teacher education **Teaching Learners with Visual Impairment** Maximus M. Sefotho,Ronél Ferreira,2020-12-31 This book Teaching Learners with Visual Impairment focuses on holistic support to learners with visual impairment in and beyond the classroom and school context Special attention is given to classroom practice learning support curriculum differentiation and assessment practices to mention but a few areas of focus covered in the book In this manner this book makes a significant contribution to the existing body of knowledge on the implementation of inclusive education policy with learners affected by visual impairment **X-kit Fet G11 Life Sciences** Clitheroe, F,2010

Proceedings of the International Joint Conference on Arts and Humanities 2024 (IJCAH 2024) Cicilia D. M. Putri,Ali Mustofa,Wendy Hakim,Galih Pradana,Danang Tandyonomanu,2025-02-12 This is an open access book Welcome to the International Joint Conference on Arts and Humanities 2024 held by the State University of Surabaya This joint conference features four international conferences the International Conference on Education Innovation ICEI 2024 the International Conference on Cultural Studies and Applied Linguistics ICCSAL 2024 the International Conference on Research and Academic Community Services ICRACOS 2024 and the International Conference of Social Science and Law ICSSL 2024 It encourages the dissemination of ideas in arts and humanity and provides a forum for intellectuals from all over the world to discuss and present their research findings on the research area This conference will be held in Surabaya East Java Indonesia on August 26th 2024 September 10th 2024 *Resources in Education* ,2001-10 Lessons from Estonia's Education Success Story Peeter Mehisto,Maie Kitsing,2022-07-19 This book explores how Estonia despite high levels of poverty has transformed its education system to become Europe s top performer on PISA Programme for International Student Assessment The engaging narrative uncovers reforms mistakes and lessons learnt that have been harnessed to create a high performing high equity education system which includes social and education policies fostering equity inclusion learner autonomy as well as schoolteacher and principal professionalism autonomy and responsibility It unearths how easy access to a wide range of data such as perceptions of well being autonomy and connectedness in addition to examination

results builds internal and external accountability and contributes to collective stakeholder efficacy Grounded in research from Estonia and beyond this is an ideal read for educators administrators academics university students change agents and parents interested in school system improvement As equity equality and inclusion are core drivers of the Estonian education system this book would also be of interest to those working in social justice inclusion and diversity

Proceedings of the 2nd Annual International Conference on Mathematics, Science and Technology Education (2nd AICMSTE)

Rahmah Johar,Rohaida Binti Mohd Saat,Cathy Wissehr,Vibol Sao,Sajid Ali Yousuf Zai,2024-02-21 This is an open access book The Organizing Committee of the Conference is delighted to invite you to participate in the 2nd International Conference on Mathematics Science and Technology Education AICMSTE 2023 which is expected to be held September 18 19 2023 at Universitas Syiah Kuala Banda Aceh Indonesia This year the conference is hybrid to reach a larger international audience and diversity This is a hybrid conference to reach a larger international audience and diversity We look forward to meeting you in Banda Aceh

A Five-Year Study of the First Edition of the Core-Plus Mathematics Curriculum Harold Schoen,Steven W. Ziebarth,Christian R. Hirsch,Allison BrckaLorenz,2010-07-01 The study reported in this volume adds to the growing body of evaluation studies that focus on the use of NSF funded Standards based high school mathematics curricula Most previous evaluations have studied the impact of field test versions of a curriculum Since these innovative curricula were so new at the time of many of these studies students and teachers were relative novices in their use These earlier studies were mainly one year or less in duration Students in the comparison groups were typically from schools in which some classes used a Standards based curriculum and other classes used a conventional curriculum rather than using the Standards based curriculum with all students as curriculum developers intended The volume reports one of the first studies of the efficacy of Standards based mathematics curricula with all of the following characteristics The study focused on fairly stable implementations of a first edition Standards based high school mathematics curriculum that was used by all students in each of three schools It involved students who experienced up to seven years of Standards based mathematics curricula and instruction in middle school and high school It monitored students mathematical achievement beliefs and attitudes for four years of high school and one year after graduation Prior to the study many of the teachers had one or more years of experience teaching the Standards based curriculum and or professional development focusing on how to implement the curriculum well In the study variations in levels of implementation of the curriculum are described and related to student outcomes and teacher behavior variables Item data and all unpublished testing instruments from this study are available at www.wmich.edu/cpmp for use as a baseline of instruments and data for future curriculum evaluators or Core Plus Mathematics users who may wish to compare results of new groups of students to those in the present study on common tests or surveys Taken together this volume the supplement at the CPMP Web site and the first edition Core Plus Mathematics curriculum materials samples of which are also available at the Web site serve as a fairly complete description

of the nature and impact of an exemplar of first edition NSF funded Standards based high school mathematics curricula as it existed and was implemented with all students in three schools around the turn of the 21st century (Free version) *Abacus & Mental Arithmetic Course Book* Mathewmatician, All four arithmetic examples and exercises are provided with detailed and smooth versions of video teaching It is suitable to Children with strong self learning ability Parents who train their children on their own Kindergarten or Primary school teacher Students majoring in early childhood education or elementary education in universities and colleges Those who are interested in becoming an abacus and mental arithmetic teacher or are interested in running an abacus and mental arithmetic class X-kit Fet G10 Business Studies , X-kit Fet G10 English Home Language Goshier, S,2009 *Proceedings Of The 14th International Congress On Mathematical Education (In 2 Volumes)* Jianpan Wang,2024-06-07 The International Congress on Mathematical Education ICME is the largest international conference on mathematics education in the world This quadrennial event is organized under the auspices of the International Commission on Mathematical Instruction ICMI This book the Proceedings of ICME 14 presents the latest trends in mathematics education research and mathematics teaching practices at all levels Each chapter covers an extensive range of topics in mathematics education Volume I consists of 4 Plenary Lectures 3 Plenary Panels 5 Lectures of Awardees 4 Survey Teams 62 Topic Study Groups 13 Discussion Groups 20 Workshops a Thematic Afternoon and an Early Career Researcher Day Plenary Lectures recognize substantial and continuing contributions to the growth of the field of Mathematics Education Plenary Panels address three major challenges currently facing mathematics educators across the globe The Survey Teams have a particular emphasis on identifying and characterizing important new knowledge recent developments new perspectives and emergent issues The Topic Study Groups provides a coverage of important topics in mathematics education Volume II consists of 50 invited lectures which present the work and reflections of both established and emerging researchers from around the world These lectures cover a wide spectrum of topics themes and issues that reflect the latest challenges and development in the field of mathematics education **Twenty-Twenty Hindsight** Mosiuoa Sekese,2013-05-16 Twenty twenty hindsight means perfect understanding of events only after they have happened In his book Mosiuoa Sekese looks back on his life in the old and new South Africa and gives his own perceptive interpretation of the past events Sekese suffered discrimination and prejudice under the old apartheid government as well as the new democratic regime His story is highly personal but provides the reader with unique insights into the social and educational challenges that South Africa continues to grapple with I had a quick read and I find the content heartbreaking but fascinating Especially as a white South African you are drawing me into a world that I always knew existed but which few people have the guts and conviction to paint into words Louise Heystek Emerton CEO Wordwise Khuluma Awethu *Educational Assessment in a Time of Reform* Coert Loock, Vanessa Scherman,2019-11-20 Educational Assessment in a Time of Reform provides background information on large scale examination systems more generally and the South African examination specifically It

traces the reforms in the education system of South Africa since 1994 and provides a description of the advances in modern test theory that could be considered for future standard setting endeavours At the heart of the book is the debate on whether the current standard of education in Africa is good enough If not then how can it be improved The aim of this book is to provide a point of departure for discussions on standard setting quality assurance equating of examinations and assessment approaches From this point of departure recommendations for practices in general and the exit level Grade 12 examination results in particular can be made This book is ideal reading for principals teachers academics and researchers in the fields of educational assessment measurement and evaluation **Inspiring Meaningful Learning** Brenda Stein

Dzaldov,2018-10-09 This remarkable book explores the essential steps for planning lessons that grab the attention of students and make them care about their learning from activating prior knowledge and sparking curiosity to focusing on content skills and inquiry to reviewing work and finding students next steps Built around the three key areas that are most important to meaningful learning content pedagogy and building rapport with students this practical book shows you how to make every lesson engaging impactful and even fun **ENC Focus** ,2001 *The Arithmetic Teacher* ,1991

Encyclopedia of Mathematics Education Louise Grinstein,Sally I. Lipsey,2001-03-15 This single volume reference is designed for readers and researchers investigating national and international aspects of mathematics education at the elementary secondary and post secondary levels It contains more than 400 entries arranged alphabetically by headings of greatest pertinence to mathematics education The scope is comprehensive encompassing all major areas of mathematics education including assessment content and instructional procedures curriculum enrichment international comparisons and psychology of learning and instruction **Global Perspectives on Inclusive Teacher Education** Rice, Bethany

M.,2019-03-01 Inclusive teacher preparation varies greatly in format and practice yet programs grapple with the same underlying challenges which practices work and where do they work As children with disabilities are increasingly being included in schools it is essential that guidance is put into place on how best to adapt inclusive practices into the classroom and create new practices based on the cultural context Global Perspectives on Inclusive Teacher Education summarizes existing research on inclusive practices globally while presenting emerging research and opportunities for cementing change in inclusive teacher education locally including examples of how inclusive practices are integrated in and adapted to diverse cultural contexts Covering topics that include critical pedagogy religious schooling and teacher education this publication is designed for curriculum developers instructional designers administrators higher education faculty educators policymakers and students

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