

GRADE 11 MATHEMATICAL LITERACY

SEPTEMBER TEST

QUESTION 1	FINANCES	20
MARKS		

Jane needs to raise funds for her school's softball team. She decides to sell brownies on Fridays. She decides to sell them for R5 a piece. She buys the following ingredients to make 50 brownies:

Cacao	R102,50
Butter	R46,80
Sugar	R38,20
Eggs	R66,60

1.1 Give TWO ideas on how Jane can promote brownie sales.
(2)

1.2 What does it mean to break even?
(1)

1.3 She determines that other expenses like packaging and electricity will add up to about R50,00. Determine how many brownies she should sell to break even. (5)

(3)

1.5 Is R5 an appropriate selling price? Give a reason for your answer.
(2)

1.6 She sells 50 brownies every Friday for 8 weeks for R7,00 a piece.

Determine the amount of money she makes.
(2)

1.7 She calculates that one brownie costs her R6,20 to produce.
What is her profit margin?
(3)

1.8 To fund this project, Jane borrowed R1050,00 from her dad with a
2% interest rate. Determine the amount she has to repay him.
(2)

QUESTION 2	MAPS & PLANS	16
MARKS		

The Grade 11's will be going to the Cradle of Humankind on their yearly trip.
Use the map on **ADDENDUM A** to answer the following questions.

2.1 Convert the graphical scale to a numeric scale.
(3)

Mathematics Paper 2 Grade 11 September 2014

Joy Pullmann



Mathematics Paper 2 Grade 11 September 2014:

Last Bell Carl Bistany, Stephanie Gruner Buckley, 2015-11-05 In the mid nineties the Alfred Glickman School was just another failing school in one of America's most violent cities Then SABIS a private for profit education provider took over Twenty years later the school is a six time silver medalist in U S News World Report's annual America's Best High Schools listing and every single graduate of the school has been offered a college place With success of this magnitude you would think that for profit managed charter schools like SABIS would be in high demand On the contrary they are fought at every turn Why is the idea of employing for profit companies to help rescue failing public schools treated with fear and hostility Stranger still why does a nation built on free enterprise refuse to embrace a free market strategy when so many students and schools would clearly benefit and with so much at stake *Last Bell* is a book about politics money and power It examines the charge that for profits running charter schools are in it for the money not the kids and reveals the real motives of those spreading these ideas and why they fight private sector involvement in public schools *Last Bell* is a reasonable voice in a polarized debate It does not call for an end to public schools but rather imagines a future in which private companies help create a competitive market for public education to boost performance turn derelict schools into centers of excellence and give parents even in the worst neighborhoods real choice and their children a future

Teaching Mathematics Creatively

Linda Pound, Trisha Lee, 2015-04-24 This new and updated edition of *Teaching Mathematics Creatively* offers a range of strategies to enable trainee and practising teachers to take an innovative playful and creative approach to maths teaching It promotes creativity as a key element of practice and offers ideas to involve your students and develop knowledge understanding and enjoyment Exploring fresh approaches this text explains the role of play in bringing mathematics alive for children and teachers alike It identifies the power of story telling in supporting mathematical thinking examines cross curricular teaching and allows you to plan for teaching creatively Imaginative ideas underpinned by the latest research and theory include Learning maths outdoors make more noise make more mess or work on a larger scale Everyday maths making sense of the numbers patterns shapes and measures children see around them Music and maths the role of rhythm in learning and music and pattern in maths Giant maths how much food do you include on a giant shopping list Stimulating and accessible with contemporary and cutting edge practice at the forefront *Teaching Mathematics Creatively* includes a wealth of innovative ideas to enthuse teachers and enrich maths teaching This book is an essential purchase for any professional who wishes to embed creative approaches to teaching in their classroom

Research for Educational Change

Jill Adler, Anna Sfard, 2016-06-17 *Research for Educational Change* presents ways in which educational research can fulfil its commitments to educational practice Focussing its discussion within the context of mathematics education it argues that while research generated insights can have beneficial effects on learning and teaching the question of how these effects are to be generated and sustained is far from evident The question of how to turn research into educational improvement is

discussed here in the context of learning and teaching hindered by poverty and social injustice In the first part of the book four teams of researchers use different methodologies while analysing the same corpus of data collected in a South African mathematics classroom In the second part each of these teams makes a specific proposal about what can be done and how so that its research generated insights have a tangible beneficial impact on what is happening in mathematical classrooms Combining two discourses that of researchers speaking to one another and that of researchers communicating their insights to those responsible for educational practice the book deals with the perennial question of communication between those who study educational processes and those who are directly responsible for teacher education educational research and classroom practices This book will be key reading for postgraduates researchers and academics in education and particularly in the areas of mathematics education education research teacher education and classroom practice It will also appeal to teacher educators practitioners and undergraduate students interested in educational research *Evidence Matters* ,2014

Rational Numbers to Linear Equations Hung-Hsi Wu,2020-06-18 This is the first of three volumes that together give an exposition of the mathematics of grades 9 12 that is simultaneously mathematically correct and grade level appropriate The volumes are consistent with CCSSM Common Core State Standards for Mathematics and aim at presenting the mathematics of K 12 as a totally transparent subject The present volume begins with fractions then rational numbers then introductory geometry that can make sense of the slope of a line then an explanation of the correct use of symbols that makes sense of variables and finally a systematic treatment of linear equations that explains why the graph of a linear equation in two variables is a straight line and why the usual solution method for simultaneous linear equations by substitutions is correct This book should be useful for current and future teachers of K 12 mathematics as well as for some high school students and for education professionals The Education Invasion Joy Pullmann,2017-03-14 Most Americans had no idea what Common Core was in 2013 according to polls But it had been creeping into schools nationwide over the previous three years and children were feeling its effects They cried over math homework so mystifying their parents could not help them even in elementary school They read motley assortments of informational text instead of classic literature They dreaded the high stakes tests in unfamiliar formats that were increasingly controlling their classrooms How did this latest and most sweeping reform of American education come in mostly under the radar Joy Pullmann started tugging on a thread of reports from worried parents and frustrated teachers and it led to a big tangle of history and politics intrigue and arrogance She unwound it to discover how a cabal of private foundation honchos and unelected public officials cooked up a set of rules for what American children must learn in core K 12 classes and how the Obama administration pressured states to adopt them Thus a federalized education scheme took root despite legal prohibitions against federal involvement in curriculum Common Core and its testing regime were touted as an absolute game changer in public education yet the evidence so far suggests that kids are actually learning less under it Why then was such a costly and disruptive agenda imposed on the nation s

schools Who benefits And how can citizens regain local self governance in education so their children s minds will be fed a more nourishing intellectual diet and be protected from the experiments of emboldened bureaucrats The Education Invasion offers answers and remedies

An Age of Accountability John L. Rury, 2023-10-13 An Age of Accountability highlights the role of test based accountability as a policy framework in American education from 1970 to 2020 For more than half a century the quest to hold schools and educators accountable for academic achievement has relied almost exclusively on standardized assessment The theory of change embedded in almost all test based accountability programs held that assessment with stipulated consequences could lead to major improvements in schools This was accomplished politically by proclaiming lofty goals of attaining universal proficiency and closing achievement gaps which repeatedly failed to materialize But even after very clear disappointments no other policy framework has emerged to challenge its hegemony The American public today has little confidence in institutions to improve the quality of goods and services they provide especially in the public sector As a consequence many Americans continue to believe that accountability remains a vital necessity even if educators and policy scholars disagree

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Houghton Mifflin Math Central ,1998

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The Harvard Education Letter ,2003

The Uganda Gazette Uganda,2015-12

Dry Goods Merchants Trade Journal ,1925

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