

MEMO-2024

MATHEMATICAL LITERACY P.2



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

FINAL EXAM



GRADE 12

M/J

SECTION 12

LAYOUT PLAN OF THE SCHOOL



EXERCISE



Write down an explanation for ONE of the safety instructions illustrated in the pictures above.

TABLE 1 below shows the number of horses, small livestock and cattle from the Free State, Gauteng and other provinces on display at the Bloem Agricultural Show. One value (X) has been omitted.

TABLE 1: THE NUMBER OF HORSES, SMALL LIVESTOCK AND CATTLE ON DISPLAY FROM VARIOUS PROVINCES

PROVINCES	HORSES	SMALL LIVESTOCK	CATTLE	TOTAL
Free State	412	1 025	361	2 498
Gauteng	181	X	81	348
Other	583	1 024	211	1 818
TOTAL	2 176	2 074	653	4 903



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OECD,2016-04-19 What is important for citizens to know and be able to do The OECD Programme for International Student Assessment PISA seeks to answer that question through the most comprehensive and rigorous international assessment of student knowledge and skills **PISA 2015 Assessment and Analytical Framework Science, Reading, Mathematic, Financial Literacy and Collaborative Problem Solving** OECD,2017-08-31 What is important for citizens to know and be able to do The OECD Programme for International Student Assessment PISA seeks to answer that question through the most comprehensive and rigorous international assessment of student knowledge and skills **Explanatory Models, Unit Standards, and Personalized Learning in Educational Measurement** William P. Fisher Jr.,Paula J.

Massengill,2022-10-15 The papers by Jack Stenner included in this book document the technical details of an art and science of measurement that creates new entrepreneurial business opportunities Jack brought theory instruments and data together in ways that are applicable not only in the context of a given test of reading or mathematics ability but which more importantly catalyzed literacy and numeracy capital in new fungible expressions Though Jack did not reflect in writing on the inferential constructive processes in which he engaged much can be learned by reviewing his work with his accomplishments in mind A Foreword by Stenner s colleague and co author on multiple works William P Fisher Jr provides key clues concerning a how Jack s understanding of measurement and its values aligns with social and historical studies of science and technology and b how recent developments in collaborations of psychometricians and metrologists are building on and expanding Jack s accomplishments This is an open access book **Third Symposium Proceedings. New Ways of Teaching and Learning** Janina Morska,Alan Rogerson, This volume contains the papers presented at the Third International Symposium on New Ways of Teaching Learning held from August 6 10 2024 at the Aemilia Hotel Bologna Italy The Conference was organized by The Mathematics Education for the Future Project an international educational project founded in 1986 and dedicated to innovation in mathematics statistics science and computer education world wide

Creating the Coding Generation in Primary Schools Steve Humble,2017-09-14 *Creating the Coding Generation in Primary Schools* sets out the what why and how of coding Written by industry innovators and experts it shows how you can bring the world of coding to your primary school practice It is packed with a range of inspirational ideas for the cross curricular teaching of coding from demystifying algebra in maths to teaching music to designing digital storytelling as well as an insight into the global movement of free coding clubs for young people such as CoderDojo and Girls Learning Code Key topics explored include what we mean by coding understanding and teaching computational thinking building pupils passion for and confidence with technologies artificial intelligence systems how gender impacts on coding STEM learning and Computer Science using Minecraft to improve pupil engagement fun projects using a Raspberry Pi Designed to be read from cover to

cover or dipped into for ideas and advice Creating the Coding Generation in Primary Schools offers all teachers a deeper knowledge and understanding of coding that will help them support and inspire the coding generation It is cool to code

Handbook of Test Development Suzanne Lane, Mark R. Raymond, Thomas M. Haladyna, 2015-10-08 The second edition of the Handbook of Test Development provides graduate students and professionals with an up to date research oriented guide to the latest developments in the field Including thirty two chapters by well known scholars and practitioners it is divided into five sections covering the foundations of test development content definition item development test design and form assembly and the processes of test administration documentation and evaluation Keenly aware of developments in the field since the publication of the first edition including changes in technology the evolution of psychometric theory and the increased demands for effective tests via educational policy the editors of this edition include new chapters on assessing noncognitive skills measuring growth and learning progressions automated item generation and test assembly and computerized scoring of constructed responses The volume also includes expanded coverage of performance testing validity fairness and numerous other topics Edited by Suzanne Lane Mark R Raymond and Thomas M Haladyna The Handbook of Test Development 2nd edition is based on the revised Standards for Educational and Psychological Testing and is appropriate for graduate courses and seminars that deal with test development and usage professional testing services and credentialing agencies state and local boards of education and academic libraries serving these groups **Assessing Writing to**

Support Learning Sandra Murphy, Peggy O'Neill, 2022-11-08 In this book authors Murphy and O'Neill propose a new way forward moving away from high stakes test based writing assessment and the curriculum it generates and toward an approach to assessment that centers on student learning and success Reviewing the landscape of writing assessment and existing research based theories on writing the authors demonstrate how a test based approach to accountability and current practices have undermined effective teaching and learning of writing This book bridges the gap between real world writing that takes place in schools college and careers and the writing that students are asked to do in standardized writing assessments to offer a new ecological approach to writing assessment Murphy and O'Neill's new way forward turns accountability inside out to help teachers understand the role of formative assessments and assessment as inquiry It also brings the outside in by bridging the gap between authentic writing and writing assessment Through these two strands readers learn how assessment systems can be restructured to become better aligned with contemporary understandings of writing and with best practices in teaching With examples of assessments from elementary school through college chapters include guidance on designing assessments to address multiple kinds of writing integrate reading with writing and incorporate digital technology and multimodality Emphasizing the central role that teachers play in systemic reform the authors offer sample assessments developed with intensive teacher involvement that support learning and provide information for the evaluation of programs and schools This book is an essential resource for graduate students instructors

scholars and policymakers in writing assessment composition and English education **The Complete Book of Colleges, 2018 Edition** Princeton Review, 2017-07 Includes information on admissions cost financial aid required and recommended admissions criteria cost breakdowns and types of financial aid for 1 355 colleges and universities *Who's who Among Students in American Universities and Colleges* Henry Pettus Randall, 1973

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