

# NOVEMBER EXAMS

# TERM 4 EXAMS



**EXAM**  
**MATHEMATICS NOVEMBER PAPER 1**  
**TIME : 2 HOURS**  
**TOTAL : 100 MARKS**

**Instructions**

- Put your name on your paper.
- Read carefully and answer all questions.
- Number all questions exactly as they are numbered in this question paper.
- Write neatly and legibly.
- Show all working out.
- Round off all answers to 2 decimal places unless instructed otherwise.
- There is an answer sheet attached to the end of this question paper. You will need to remove it, complete it and attach it to your test. Make sure you put your name on the answer sheet.
- Check your work!

**Question 1**  
Simplify:

1.1.  $(-10) + (-5) - (-3) \times (-4) + (-3)$

1.2.  $(5 + 8 \times 3 - 7) \div (-2 \times 4 - 15) + (-3)$

1.3.  $\sqrt{22\,500}$  using prime factorisation

1.4.  $(-0,02)^2$

1.5.  $\sqrt[4]{\frac{21}{25}}$

1.6.  $1\frac{3}{5} - 1\frac{13}{15} + \frac{1}{10}$

1.7.  $\frac{20}{12} \div \frac{7}{25} = \frac{14}{15}$

1.8.  $(\frac{3}{4})^2 \div \frac{15}{12} - \frac{15}{2} \times (\frac{1}{2} - \frac{3}{4})$

1.9.  $0,56 \times 0,002$

**CAPS  
ALIGNED**

## GRADE 8 MATHS



# 2014 Exem Maths Grade 8 Caps

**Marie T. Banich, Rebecca J. Compton**



## **2014 Exem Maths Grade 8 Caps:**

Visualisation and Epistemological Access to Mathematics Education in Southern Africa Marc Schäfer, 2023-04-27 This book demonstrates that using visualisation processes in mathematics education can help to enhance teaching and learning and bridge the inequality gap that exists between well resourced and under resourced schools in Southern Africa Drawing on classroom research conducted in the Southern African region it examines how epistemological access in a context of gross inequality can be constructively addressed by providing research based solutions and recommendations The book outlines the visualisation process as an integral but often overlooked process of mathematics teaching and learning It goes beyond the traditional understanding of visualisation processes such as picture forming and using tools and considers visualisation processes that are semiotic in nature and includes actions such as gestures in combination with language It adds value to the visualisation in mathematics education research discourse and deliberation in Africa With a unique focus on Southern Africa and open avenues for further research and collaboration in the region it will be a highly relevant reading for researchers academics and post graduate students of mathematics education comparative education and social justice education

**Handbook of Response to Intervention and Multi-Tiered Systems of Support** Paige C. Pullen, Michael J. Kennedy, 2018-10-04 Of the many issues facing special education and general education today it is difficult to imagine one more important or timely than response to intervention RTI Almost overnight RTI has become standard practice across the nation Unfortunately RTI remains ill defined falls far short of its evidence based practice goal is almost invariably misused and often results in more harm than good Nevertheless as a conceptual framework RTI has great potential for ensuring that students with disabilities receive appropriate evidence based instruction The mission of this handbook is to present a comprehensive and integrated discussion of response to intervention RTI and its relation to multi tiered systems of support MTSS in both special education and general education Although the two terms are currently used interchangeably distinct differences exist between them Therefore chapters are dedicated to distinguishing the two concepts RTI and MTSS and describing each one s unique role in both general and special education In addition the authors recommend a third term Multi Tiered Instruction to differentiate the practices related to the purpose of the specific intervention

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