

**GRADE 9 MATHEMATICS
NOVEMBER EXAMINATION PAPER 1**

QUESTION 1

Choose and write the correct letter on your answer sheet.

- 1.1 The constant value in the expression $2x^2 + 3x - 5$ is _____ (3)

A 5
B -5
C 3
D -3

- 1.2 How many terms are in the expression $3x^2 + 2x - 5$? _____ (3)

A 1
B 2
C 3
D 4

- 1.3 Determine the following two terms in the sequence: _____ (3)

A 48; 56
B -48; -56
C -48; 56
D 48; 56

- 1.4 Prime numbers that lie between 8 and 23: _____ (3)

A 11, 13, 17, 19, 23
B 11, 13, 17, 19
C 11, 13, 17, 19, 23
D 11, 13, 17, 19, 23

- 1.5 $\sqrt{324}$ is _____ (3)

A 18
B 74
C 18 and 74
D 18

- 1.6 If $x = 2$, the value of $3x^2 + 4x$ would be: _____ (3)

A 10
B 12
C 14
D 16

6 x 1 = 6

QUESTION 2: WHOLE NUMBERS & INTEGERS

- 2.1 Write 345:15 in it's simplest form. _____ (2)

- 2.2 If 10 contractors can build a house in 10 days. How many contractors, working at the same rate, will be needed to build the house in 4 days? _____ (3)

- 2.3 John drove 620km in 5 and a half hours. Calculate his average speed. _____ (3)

- 2.4 Write the number 48 as a product of its prime factors. Write the prime factors in exponential form. _____ (4)

- 2.5 Calculate the following:

2.5.1 $3 \times 10^3 + 4 \times 10^2$ _____ (3)
2.5.2 $3 \times 10^3 + 4 \times 10^2$ _____ (3)
[16]

QUESTION 3: EXPONENTS

- 3.1 $5^2 \times \sqrt{5} + 5^2$ _____ (2)

- 3.2 $5^2 \times 5^3$ _____ (2)

- 3.3 $\frac{5^2}{5^3}$ _____ (3)

- 3.4 $\sqrt{5^2 \times 5^3}$ _____ (3)
[10]

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R Barnett



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Table of Contents Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum

1. Understanding the eBook Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - The Rise of Digital Reading Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - 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 Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - User-Friendly Interface

4. Exploring eBook Recommendations from Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Personalized Recommendations
 - Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum User Reviews and Ratings
 - Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum and Bestseller Lists
5. Accessing Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum Free and Paid eBooks
 - Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum Public Domain eBooks
 - Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum eBook Subscription Services
 - Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum Budget-Friendly Options
6. Navigating Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum Compatibility with Devices
 - Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Highlighting and Note-Taking Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Interactive Elements Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
8. Staying Engaged with Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
9. Balancing eBooks and Physical Books Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum

10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Setting Reading Goals Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - Fact-Checking eBook Content of Grade 9 Mathematics November 2013 Gauteng Provincial Examinations Memorandum
 - 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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