

**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

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

- A 30
- B 74
- C 18
- D 180

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 $3 \times 10^3 + 4 \times 10^2 + 5 \times 10^1$ _____ (3)
 - 2.5.2 $3 \times 10^3 + 4 \times 10^2 + 5 \times 10^1$ _____ (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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Victor M. Corman



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Table of Contents November 18 2014 Mathematics Memo Grade 9

1. Understanding the eBook November 18 2014 Mathematics Memo Grade 9
 - The Rise of Digital Reading November 18 2014 Mathematics Memo Grade 9
 - Advantages of eBooks Over Traditional Books
2. Identifying November 18 2014 Mathematics Memo Grade 9
 - 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 November 18 2014 Mathematics Memo Grade 9
 - User-Friendly Interface
4. Exploring eBook Recommendations from November 18 2014 Mathematics Memo Grade 9
 - Personalized Recommendations
 - November 18 2014 Mathematics Memo Grade 9 User Reviews and Ratings

- November 18 2014 Mathematics Memo Grade 9 and Bestseller Lists
- 5. Accessing November 18 2014 Mathematics Memo Grade 9 Free and Paid eBooks
 - November 18 2014 Mathematics Memo Grade 9 Public Domain eBooks
 - November 18 2014 Mathematics Memo Grade 9 eBook Subscription Services
 - November 18 2014 Mathematics Memo Grade 9 Budget-Friendly Options
- 6. Navigating November 18 2014 Mathematics Memo Grade 9 eBook Formats
 - ePub, PDF, MOBI, and More
 - November 18 2014 Mathematics Memo Grade 9 Compatibility with Devices
 - November 18 2014 Mathematics Memo Grade 9 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of November 18 2014 Mathematics Memo Grade 9
 - Highlighting and Note-Taking November 18 2014 Mathematics Memo Grade 9
 - Interactive Elements November 18 2014 Mathematics Memo Grade 9
- 8. Staying Engaged with November 18 2014 Mathematics Memo Grade 9
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers November 18 2014 Mathematics Memo Grade 9
- 9. Balancing eBooks and Physical Books November 18 2014 Mathematics Memo Grade 9
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection November 18 2014 Mathematics Memo Grade 9
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine November 18 2014 Mathematics Memo Grade 9
 - Setting Reading Goals November 18 2014 Mathematics Memo Grade 9
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of November 18 2014 Mathematics Memo Grade 9
 - Fact-Checking eBook Content of November 18 2014 Mathematics Memo Grade 9
 - 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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