

**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  $2x^2 + 3x + 2$  is \_\_\_\_\_ (3)

- A 3  
B 2  
C 4  
D 5

1.2 How many terms are in the expression  $2x^2 + 3x + 2$ ? \_\_\_\_\_ (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; 57  
C 47; 56  
D 47; 57

1.4 Prime numbers that lie between 8 and 22: \_\_\_\_\_ (3)

- A 11, 13, 17, 19, 23  
B 11, 17, 19, 23  
C 11, 13, 17, 19  
D 11, 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  $2 \times 10^3 + 3 \times 10^2$  \_\_\_\_\_ (3)  
2.5.2  $2 \times 10^3 + 3 \times 10^2$  \_\_\_\_\_ (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]

# Mathematics Question Papers Memorum Grade 1

**Xiang Xie**



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## **Table of Contents Mathematics Question Papers Memorum Grade 1**

1. Understanding the eBook Mathematics Question Papers Memorum Grade 1
  - The Rise of Digital Reading Mathematics Question Papers Memorum Grade 1
  - Advantages of eBooks Over Traditional Books
2. Identifying Mathematics Question Papers Memorum Grade 1
  - 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 Mathematics Question Papers Memorum Grade 1
  - User-Friendly Interface
4. Exploring eBook Recommendations from Mathematics Question Papers Memorum Grade 1
  - Personalized Recommendations
  - Mathematics Question Papers Memorum Grade 1 User Reviews and Ratings
  - Mathematics Question Papers Memorum Grade 1 and Bestseller Lists
5. Accessing Mathematics Question Papers Memorum Grade 1 Free and Paid eBooks
  - Mathematics Question Papers Memorum Grade 1 Public Domain eBooks
  - Mathematics Question Papers Memorum Grade 1 eBook Subscription Services
  - Mathematics Question Papers Memorum Grade 1 Budget-Friendly Options
6. Navigating Mathematics Question Papers Memorum Grade 1 eBook Formats

- ePub, PDF, MOBI, and More
- Mathematics Question Papers Memorum Grade 1 Compatibility with Devices
- Mathematics Question Papers Memorum Grade 1 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Mathematics Question Papers Memorum Grade 1
  - Highlighting and Note-Taking Mathematics Question Papers Memorum Grade 1
  - Interactive Elements Mathematics Question Papers Memorum Grade 1
- 8. Staying Engaged with Mathematics Question Papers Memorum Grade 1
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Mathematics Question Papers Memorum Grade 1
- 9. Balancing eBooks and Physical Books Mathematics Question Papers Memorum Grade 1
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Mathematics Question Papers Memorum Grade 1
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Mathematics Question Papers Memorum Grade 1
  - Setting Reading Goals Mathematics Question Papers Memorum Grade 1
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Mathematics Question Papers Memorum Grade 1
  - Fact-Checking eBook Content of Mathematics Question Papers Memorum Grade 1
  - 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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