

**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 22: _____ (3)

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

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 in its prime factorised form. Write the prime factors in exponential form. _____ (4)

2.5 Calculate the following:

- 2.5.1 $3 \times 10^3 + 4 \times 10^3$ _____ (3)
- 2.5.2 $3 \times 10^3 + 4 \times 10^3$ _____ (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 $\sqrt{5^2}$ _____ (3)

[10]

Mathematics Grdpaper 1

Simone Malacrida



Mathematics Grdpaper 1:

Excel for the Math Classroom Bill Hazlett,2007-01-02 This guide to enabling middle grade mathematics teachers to use Microsoft Excel in the classroom focuses primarily on concepts taught in grades 4 10 with some pre algebra lessons for higher grades Including files available for downloading to create custom math worksheets build self grading interactive spreadsheets and use Excel to demonstrate charts and Cartesian math this handbook provides fun examples of probability solving equations magic squares and compound interest Maths 1 Grd Wb Swaziland,2004-02-01 Maths 1 Grd Tg Swaziland,1999-08-01 **General Math 1** Bryce R. Shaw,1977 Math 1 Common Core 9th Grade (Speedy Study Guides) Speedy Publishing,2015-05-25 When studying math you cannot be exposed to all core concepts at once and expect to excel in them Concepts need to be introduced a group at a time Following an effective introduction would be plenty of opportunities to hone your newly acquired mathematical skills This study guide will take you through the fundamental concepts taught to 9th graders Secure your copy today *General Math 1* Bryce R. Shaw,1980 The Book of Mathematics: Volume 1 Simone Malacrida,2022-12-28 Most of mathematics is presented in this book starting from the basic and elementary concepts to probing the more complex and advanced areas Mathematics is approached both from a theoretical point of view expounding theorems and definitions of each particular type and on a practical level going on to solve more than 1 000 exercises The approach to mathematics is given by progressive knowledge exposing the various chapters in a logical order so that the reader can build a continuous path in the study of that science The entire book is divided into three distinct sections elementary mathematics the advanced mathematics given by analysis and geometry and finally the part concerning statistics algebra and logic The writing stands as an all inclusive work concerning mathematics leaving out no aspect of the many facets it can take on *Real World Math 1* Bonnye Wier Cavazos,PCI Educational Publishing,2008-08-01 Big Ideas Math Algebra 1 Ron Larson,Big Ideas Learning, LLC.,Laurie Boswell,2015 **Mathematics** Rinehart and Winston - Mathematics - Grade 1 Holt,1981

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Table of Contents Mathematics Grdpaper 1

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

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