

**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 in km/h. _____ (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]

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**National Academies of Sciences,
Engineering, and Medicine, Division of
Behavioral and Social Sciences and
Education, Board on Testing and
Assessment, Committee on National
Statistics, Committee on the
Evaluation of NAEP Achievement
Levels for Mathematics and Reading**

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Maths Handbook and Study Guide Grade 11 Kevin Smith, 2017-11-01 The Maths Handbook Study Guide is a comprehensive reference book and set of notes that covers everything in one book The book is written in a clear simple visual and logical manner The colour coding facilitates explanations definitions formulas recaps of previous work hints and ideas It is easy to read easy to understand and it is easy to apply what has been learnt It works in conjunction with all other Maths books It is a welcome addition to the Handbook and Study Guide series The Maths Handbook and Study Guide demystifies Maths and helps students to reach their potential in this challenging subject The sub title of the book is Maths Made Easy and this is what it aims to do Kevin ensures that his work is up to date at all times and that it is suitable for IEB and National Curriculum students There are exercises in the front of the book and solutions to problems at the back

Mathematics for Grades VII, VIII, and IX. Saint Louis (Mo.). Board of Education, 1926 **Annual Report of the Glendale City Schools** Glendale (Calif.) Superintendent of Schools, 1933 **Soulé's Philosophic Practical Mathematics** George Soulé, 1910

Resources in Education, 2000-04 *From Hope to Harris* Robert Douglas Gidney, 1999-01-01 Are the sweeping changes to Ontario's education system introduced under the Harris government bad or wrong Gidney places them in context charting the major landmarks and debates that have washed over the educational landscape in Ontario from the 1950s

EES Memo, 1949 **Evaluation of the Achievement Levels for Mathematics and Reading on the National Assessment of Educational Progress** National Academies of Sciences, Engineering, and Medicine, Division of Behavioral and Social Sciences and Education, Board on Testing and Assessment, Committee on National Statistics, Committee on the Evaluation of NAEP Achievement Levels for Mathematics and Reading, 2017-05-12 Since 1969 the National Assessment of Educational Progress NAEP has been providing policymakers educators and the public with reports on academic performance and progress of the nation's students The assessment is given periodically in a variety of subjects mathematics reading writing science the arts civics economics geography U S history and technology and engineering literacy NAEP is given to representative samples of students across the U S to assess the educational progress of the nation as a whole Since 1992 NAEP results have been reported in relation to three achievement levels basic proficient and advanced However the use of achievement levels has provoked controversy and disagreement and evaluators have identified numerous concerns This publication evaluates the NAEP student achievement levels in reading and mathematics in grades 4 8 and 12 to determine whether the achievement levels are reasonable reliable valid and informative to the public and recommends ways that the setting and use of achievement levels can be improved **Parliamentary Papers** Great Britain. Parliament. House of Commons, 1918 **ONTERIS Abstracts** Ontario. Ministry of Education, Barbara Beardsley, Greg Cable, Ilze Cockburn, 1978

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Table of Contents Mathematics Grade 9 Memorandum

1. Understanding the eBook Mathematics Grade 9 Memorandum
 - The Rise of Digital Reading Mathematics Grade 9 Memorandum
 - Advantages of eBooks Over Traditional Books
2. Identifying Mathematics Grade 9 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 Mathematics Grade 9 Memorandum
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mathematics Grade 9 Memorandum

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

- Fact-Checking eBook Content of Mathematics Grade 9 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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