

**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 49; 56
- D 49; 57

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

- A 11, 13, 17, 19, 23
- B 11, 13, 17, 19
- C 11, 13, 17, 19, 21
- 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 $2 \times 10^3 + 3 \times 10^2$ _____ (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 Grade 9 Memorandum

Arturo Cuomo



Mathematics Grade 9 Memorandum:

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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