

**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]

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Robert R. Redfield



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