

**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]

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AN Whitehead



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web jul 11 2023 students use model chromosomes to simulate the processes of meiosis and fertilization as they model meiosis and fertilization students follow the alleles of three human genes from the parents body

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web mar 23 2021 simulate mitosis move the chromosomes through each of the four stages of mitosis draw and label the pop bead chromosomes for one of the phases on a separate sheet it is not necessary to draw each individual bead draw a large circle on the paper to represent the cell and the nucleus with a pencil

lab 8 the modeling and microscopic observation of mitosis and meiosis - Mar 02 2023

web after completing this lab exercise you should be able to identify and describe the stages of the cell cycle mitosis and meiosis recognizing the events that occur during each stage distinguish between mitosis and cytokinesis as they take place in animal and plant cells