



Annual Examinations for Secondary Schools 2022

YEAR 9

MATHEMATICS
Non Calculator Paper

TIME: 30 minutes

Name: _____ Class: _____

Question	1	2	3	4	5	6	Total
Mark							

Instructions to Candidates

- Answer all questions.
- All necessary working must be shown.
- This paper carries a total of 25 marks.
- Calculators and protractors are NOT ALLOWED.

1. a) i) Write 4.2×10^2 as an ordinary number.

Ans: _____

ii) Use your answer in part (i) to work out $4.2 \times 10^2 + 190$.

Ans: _____

b) Work out: $1\frac{2}{3} - \frac{7}{9}$

Ans: _____
(5 marks)

2. Estimate the value of:

$$\frac{29^2}{219 - 96}$$

Ans: _____
(3 marks)

3. Work out the value of:

a) $(-11) + (-2) - (-15)$

Ans: _____

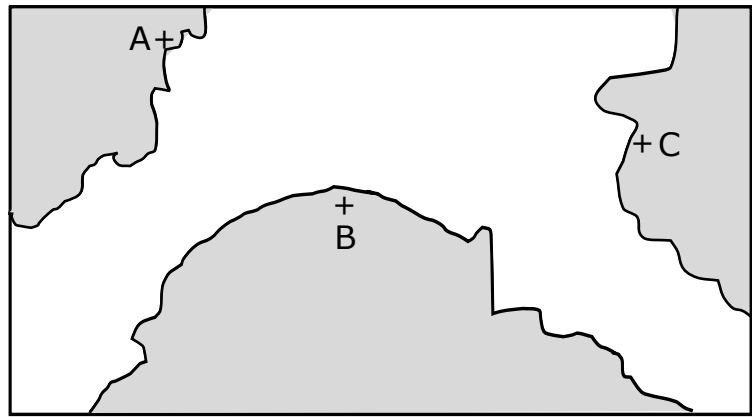
b) $(-16 \div -4) \times -3$

Ans: _____
(4 marks)

4. The plan shows three seaside resorts A, B and C.

A boat sails from resort A to resort B to resort C and back to resort A.

Calculate the actual total distance travelled by the boat.



Scale: 1 cm = 10 km

Ans: _____

(6 marks)

5. Make m the subject of the formula: $k = 2m - 4n$

Ans: _____

(2 marks)

6. In a class library, there are 40 books. 30% of the books are novels, $\frac{1}{4}$ of the books are poetry books and the rest are school books.

a) How many novels are there?

Ans: _____

b) Work out the number of school books found in the class library.

Ans: _____

(5 marks)

END OF NON CALCULATOR PAPER

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