C A R I B B E A N<br>EXAMINATIONS<br>C O U N C I L TRINIDAD AND TOBAGO SECONDARY ENTRANCE ASSESSMENT MATHEMATICS<br>75 minutes

| PRIMARY |
| :--- |
| SCHOOL: |
|  |
| CENTRE NUMBER: $\longrightarrow$ |
| CANDIDATE NUMBER: |

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

1. This test is divided into THREE sections.
2. Make sure that you understand the directions before you start to work on any section.
3. Write ALL your answers in this test booklet. Show ALL your working in the Working Column.
4. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

## Directions for the Mathematics Test

You are NOT allowed to use calculators.
This test has THREE sections with a total of 46 test items.
SECTION I has 20 items (Nos. 1 to 20).
SECTION II has 20 items (Nos. 21 to 40).
SECTION III has 6 items (Nos. 41 to 46).
You have 75 minutes for this test.
Answer ALL questions.
Read EACH question CAREFULLY before answering it.
Show ALL working in the column provided.
Marks will be given for correct steps taken.
Work carefully but do NOT spend too much time on any one question.

## DO NOT WRITE ON THIS PAGE.

| Strand | No. | Question | Total | Initial |
| :---: | :---: | :---: | :---: | :---: |
| Number | 1 | $1-8$ |  |  |
|  | 2 | $21-28$ |  |  |
|  | 3 | $41-42$ |  |  |
|  | 5 | $99-35$ |  |  |
|  | 6 | $43-44$ |  |  |
|  | 7 | $16-18$ |  |  |
|  | 8 | $36-39$ |  |  |
| Statistics | 10 | 45 |  |  |
|  | $19-20$ |  |  |  |
|  | 12 | 40 |  |  |

## SECTION I

Each question is worth 1 mark. Answer ALL questions. Show ALL working in the Working Column.

| No. | TEST ITEMS | WORKING COLUMN | Do Not Write Here |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | KC | AT | PS |
|  | 847 <br> $+\quad 502$ <br> Answer |  | 1. |  |  |  |
| 2. | DIVIDE: <br> Answer <br> $4 \longdiv { 8 1 6 }$ |  | 2. |  |  |  |
| 3. | Write the numeral which represents $(2 \times 10000)+(6 \times 1000)+(3 \times 10)+(7 \times 1)$ <br> Answer $\qquad$ |  | 3. |  |  |  |
| 4. | What FRACTION of the whole shape is shaded? <br> Answer |  | 4. |  |  |  |


| No. | TEST ITEMS | WORKING COLUMN | Do Not Write Here |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | KC | AT | PS |
| 5. | Express $5 \frac{3}{4}$ as an IMPROPER fraction. <br> Answer $\qquad$ |  | 5. |  |  |  |
| 6. | Kerry has 120 oranges. He sells $\frac{5}{8}$ of them. <br> How many oranges does Kerry sell? <br> Answer $\qquad$ oranges |  | 6. |  |  |  |
| 7. | Complete the number pattern below. <br> Answer $\qquad$ |  | 7. |  |  |  |








## SECTION II

Each question is worth either 2 or 3 marks. Answer ALL questions. Show ALL working in the Working Column.

| No. | TEST ITEMS | WORKING COLUMN | Do Not Write Here |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | KC | AT | PS |
| 21. | How many pieces of string of length 0.3 m can be cut from a piece 10.5 m long? <br> Answer $\qquad$ pieces (2 marks) |  | 21. |  |  |  |
| 22. | Three-quarters of a number is 60 . <br> What is $\frac{1}{5}$ of the SAME number? <br> Answer $\qquad$ <br> (2 marks) |  | 22. |  |  |  |
| 23. | Which of the following fractions is the LARGEST? $\frac{5}{8}, \quad \frac{2}{3}, \quad \frac{7}{12}$ <br> Answer $\qquad$ (2 marks) |  | 23. |  |  |  |
| 24. | What are the next TWO numbers in the sequence $16,19,23,28$, $\qquad$ , _? ? <br> Answer $\qquad$ and $\qquad$ (2 marks) |  | 24. |  |  |  |












## SECTION III

Each question is worth 5 marks. Answer ALL questions. Show ALL working in the Working Column.



| No. | TEST ITEMS | WORKING COLUMN | Do Not Write Here |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43. |  |  |  | KC | AT | PS |
|  | The shape of a floor shown below has two portions, an equilateral triangle (A) attached to one side of a square (B) with sides of 12 m . <br> (a) Complete the following statement: <br> The perimeter of the ENTIRE floor is $\qquad$ m. <br> (1 mark) <br> (b) The square portion (B) ONLY is to be covered with tiles. <br> (i) The area of B is $\qquad$ $\mathrm{m}^{2}$. (1 mark) <br> (ii) B is to be covered using square tiles with sides measuring 30 cm . <br> How many tiles are needed? <br> Answer $\qquad$ tiles (1 mark) <br> (iii) One of the tiles to be used for covering B costs $\$ 4.00$. How much will the tiles cost if 10 extra ones are added in case any break? <br> Answer \$ $\qquad$ |  | 43. |  |  |  |






IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS TEST.

