0044/1 **BJC**

FOR EXAMINERS' USE ONLY	
TOTAL	

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE EXAMINATION 2018

0044 MATHEMATICS

PAPER 1 (50 Marks)

Thursday **31 MAY 2018** 9:00 A.M.–10:00 A.M.

INSTRUCTIONS TO CANDIDATES:

Write your school number, candidate number as well as your Initial(s) and Surname in the spaces provided on this question booklet.

Answer **ALL** questions in the spaces provided on this question booklet.

ALL working must be shown.

The use of calculators, tables or other calculation aids is **NOT** allowed.

ALL working is to be done in **blue** or **black ink**. Working and answers written in pencil, **except constructions and graphs**, may not be marked.

ALL diagrams are not drawn to scale unless otherwise indicated.

The mark for each question, or part question, is shown in brackets [ ].

This question paper consists of 7 printed pages and 1 blank page.

ROUGH WORK

Answer **ALL** questions in the spaces provided. Show **ALL** necessary working.

1. (a) $\begin{array}{r} 1465 \\ +\ 793 \\ \hline 21 \\ \hline \end{array}$ [1]

(b) $\begin{array}{r} 9718 \\ -5267 \\ \hline \end{array}$ [1]

2. (a) $\begin{array}{r} 9081 \\ \times\ 7 \\ \hline \end{array}$ [1]

(b) $6\overline{)8238}$ [1]

3. (a) Express $\frac{7}{100}$ as a decimal.

Answer: _____ [1]

4. State the value of the digit 5 in the number 8053.

Answer: _____ [1]

5. One book costs $8.52. Calculate the cost of 6 such books.

Answer: _____ [2]

6. A boy leaves home at 7:58 a.m. and arrives at school at 8:20 a.m. How long did it take him to arrive at school?

Answer: _____ [2]

7. Write the next two numbers in the sequence 3, 7, 11, _____, _____

Answer: _____ [2]

ROUGH WORK

8. The prime factors of a number are $2 \times 2 \times 2 \times 5 \times 5$.

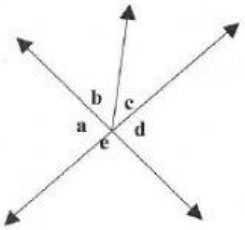
(a) Express this in index form.

Answer: _____ [2]

(b) What is the number?

Answer: _____ [1]

9.



(a) In the figure above, state the total value of angles $\hat{a}+\hat{b}+\hat{c}+\hat{d}+\hat{e}$

Answer: _____ [1]

(b) If angle b = 35°, what is the total value of angles $\hat{c}+\hat{d}$?

Answer: _____ [2]

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10. Carl scored 14 out of 20 marks on a mathematics quiz.

(a) Express his score as a fraction.

Answer: _____ [1]

(b) Write his score as a percentage.

Answer: _____ [2]

ROUGH WORK

11. Use your ruler, pencil and protractor to draw $P\hat{Q}R = 65°$

[3]

12. From the set of numbers, {12, 13, 14, 15, 16}, list:

(a) a prime number,

Answer: _____ [1]

(b) a factor of 28,

Answer: _____ [1]

(c) a multiple of 5.

Answer: _____ [1]

ROUGH WORK

13.

16 inch Stand Fan

STORE A
$48.62

STORE B
$38.98

(a) Which store has the better buy?

Answer: _____ [1]

(b) Calculate the difference in price of the fan between the two stores.

Answer: _____ [2]

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14. (a) Calculate the value of $2\frac{1}{2} \times \frac{9}{10}$.

Answer: _____ [3]

(b) Express your answer in (a) as a mixed fraction.

Answer: _____ [1]

ROUGH WORK

15. (a) Simplify

(i) $8x + 4x - 5x$

Answer: _____ [1]

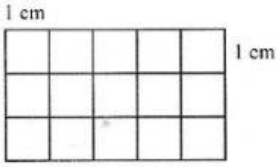
(ii) $4\text{ m} \times 3\text{ m}^2$

Answer: _____ [2]

(b) If $p = 16$, calculate the value of $4(p - 2)$

Answer: _____ [3]

16. This is a picture of a window.



Calculate

(a) the perimeter of the window.

Answer: _____ [2]

(b) the area of the window.

Answer: _____ [2]

ROUGH WORK

17. (a) Complete the following bill.

Item	Unit Price	Total
3 tins of Soup	$1.09 each	
1 loaf bread	$3.19 each	
4 packs of cookies	2 packs for $2.39	
	TOTAL:	

[4]

(b) Calculate the change from $12.

Answer: _____ [2]

End