

**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 [ ].



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

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) 
$$\begin{array}{r} 6\overline{)8238} \\ \end{array}$$
 [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]



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

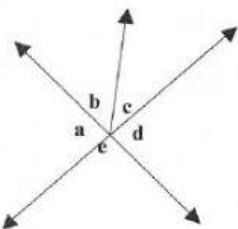
(a) Express this in index form.

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  $b = 35^\circ$ , what is the total value of angles  $\hat{c} + \hat{d}$ ?

Answer: \_\_\_\_\_ [2]

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]



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

[3]

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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]

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13.



16 inch Stand Fan

STORE A  
\$48.62STORE 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]

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]



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]



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]

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