0044/1 **BJC**

FOR EXAMINER'S USE ONLY	
TOTAL MARKS	

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE EXAMINATION 2013

0044 MATHEMATICS

PAPER 1 (50 Marks)

Wednesday **29 May 2013** 9:00 A.M.–10:00 A.M.

INSTRUCTIONS TO CANDIDATES

Write your school number, candidate number, surname and initials in the spaces at the top of this page.

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

ALL working must be shown.

The use of calculators, slide rulers, 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 **8** printed pages.

ROUGH WORK

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

1. (a)
$$\begin{array}{r} 8137 \\ +\ 604 \\ \hline 5162 \\ \hline \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$\begin{array}{r} 7059 \\ -5896 \\ \hline \\ \hline \end{array}$$

Answer: _____ [1]

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2. (a)
$$\begin{array}{r} 4612 \\ \times\ \ 5 \\ \hline \\ \hline \end{array}$$

Answer: _____ [1]

(b) $7\overline{)8414}$

Answer: _____ [1]

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3. Write six hundredths as a decimal.

Answer: _____ [1]

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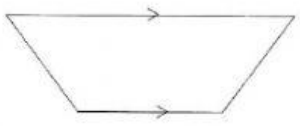
4. Give the special name for the quadrilateral shown below.



Answer: _____ [1]

ROUGH WORK

5. Write 4000 + 30 as an ordinary number.

Answer: _____ [1]

6. Calculate the median of the set of numbers 72, 85, 76, 94, 83.

Answer: _____ [2]

7. Use your ruler, pencil and protractor to draw a 70° angle with **B** as the vertex of the angle.

B [2]

8. A highway is 45 km in length. $\frac{2}{3}$ of the highway is paved. How many km of the Highway is paved?

Answer: _____ [2]

9. Insert <, >, or = in the circle to make each statement true.

(a) 2.34 ◯ 2.301 [1]

(b) 3 + 3 ◯ 3^2 [1]

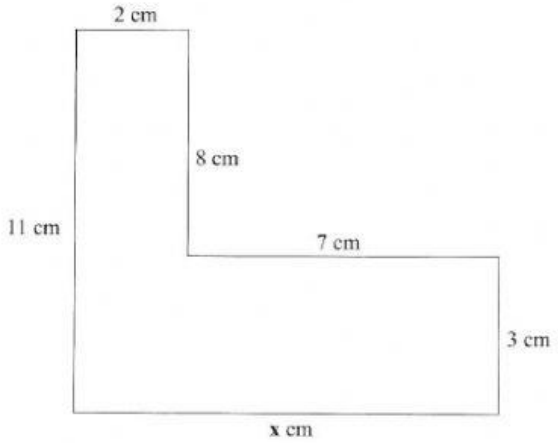
(c) ¼ ◯ 25% [1]

ROUGH WORK

10. Write the Highest Common Factor of 12 and 16.

Answer: _____ [3]

11.



Calculate

(a) the length of the side marked **x**,

Answer: _____ [1]

(b) the perimeter of the shape.

Answer: _____ [2]

ROUGH WORK

12. Evaluate $\sqrt{81}+3^3$

Answer: _____ [3]

13. Use the pictograph to answer the following questions.

RECYCLED CANS

GRADE LEVEL	NUMBER OF CANS RECYCLED
7	
8	
9	
10	
11	
12	
 = 10 cans	

(a) Which grade level recycled the most cans?

Answer: _____ [1]

(b) Which grade level recycled exactly 45 cans?

Answer: _____ [1]

(c) Which grade levels recycled the same amount of cans?

Answer: _____ [1]

ROUGH WORK

14.

Bob earns $2900 per month. 15% of his salary is deducted for his car loan.

(a) How much money does he pay on his loan each month?

Answer: $ _____ [2]

(b) How much money does he have left after paying on his loan?

Answer: $ _____ [2]

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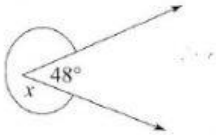
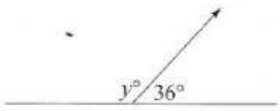
15. Calculate the size of the angle marked x and the angle marked y.

(i)



Answer: _____° [2]

(ii)



Answer: _____° [2]

ROUGH WORK

16. I completed $\frac{2}{3}$ of my project last month and $\frac{1}{4}$ of it this week.

(a) What fraction of my project is completed?

Answer: _____ [3]

(b) What fraction of my project is not completed?

Answer: _____ [1]

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17. (a) Simplify

$$6f^2 \times 5f$$

Answer: _____ [2]

(b) Solve the equation for g.

$$4g + 6 = 34$$

Answer: _____ [3]

ROUGH WORK

18. A fruit basket contains 5 apples, 3 oranges and 4 mangoes. One fruit is chosen at random.

What is the probability that it is

(a) an apple?

Answer: _____ [2]

(b) an orange?

Answer: _____ [1]

(c) a mango?

Answer: _____ [1]

(d) a fruit?

Answer: _____ [1]

End]