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BJC

FOR EXAMINERS' USE ONLY	
TOTAL	

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

**MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE
EXAMINATION 2016**

0044 MATHEMATICS

PAPER 1 (50 Marks)

Thursday **2 JUNE 2016** 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 8 printed pages.

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[Turn over

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

1. (a)
$$\begin{array}{r} 3178 \\ +4962 \\ 2450 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$\begin{array}{r} 8032 \\ -4781 \\ \hline \end{array}$$

Answer: _____ [1]

(c)
$$\begin{array}{r} 3117 \\ \times 7 \\ \hline \end{array}$$

Answer: _____ [1]

(d)
$$5 \overline{)5225}$$

Answer: _____ [1]

2. Write $600 + 40 + 4$ in standard form.

Answer: _____ [1]

3. Write **ALL** the one digit prime numbers.

Answer: _____ [2]

4. List

(a) a multiple of 3 between 21 and 25.

Answer: _____ [1]

(b) a prime number between 21 and 25.

Answer: _____ [1]

5. On a scale, 1 inch represents 600 miles. How many miles would $\frac{3}{4}$ inch represent?

Answer: _____ miles [2]

6. Simplify:

$$63 \div 9 \times 7 + 2$$

Answer: _____ [3]

7. Measure and write down the length of **AB**. Give the answer in inches.

A  B

Answer: _____ inches [1]

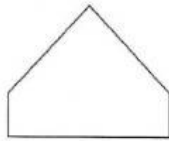
8. Write $<$, $>$ or $=$ in the space to make each statement true.

(a) 36.38 _____ 33.68 [1]

(b) 9065 _____ 9165 [1]

(c) $\frac{1}{5}$ _____ 0.20 [1]

9. (a) Give the special name for the polygon below.



Answer: _____ [1]

(b) Draw in the line(s) of symmetry on the polygon above. [1]

10. Lucy made 254 cupcakes for a bake sale. 8 cupcakes fill a box.



(a) How many boxes can Lucy fill with the cupcakes she baked?

Answer: _____ boxes [2]

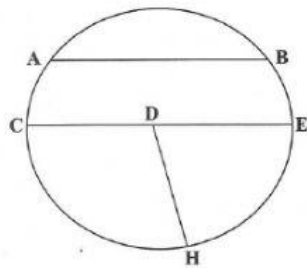
(b) How many cupcakes are left over?

Answer: _____ cupcakes [1]

11. Ann has \$96. Brenda has \$130. How much money should Brenda give to Ann so that they both have the same amount of money?

Answer: \$ _____ [3]

12. A circle with centre D is drawn below. Use it along with the words in the triangle to name the parts of the circle in the table below.



	Part of the circle
CE	
AB	
DH	
HE	

[4]

13. Robert has the following coins in his pocket:



8 twenty five-cent pieces



3 ten-cent pieces

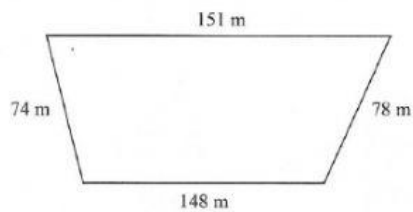


4 one-cent pieces

What is the total amount of money in Robert's pocket?

Answer: \$ _____ [4]

14. The sides of a piece of land are 74 m, 78 m, 148 m, and 151 m.



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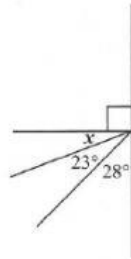
- (a) What is the perimeter of the piece of land?

Answer: _____ m [2]

- (b) Find the cost of fencing the land at \$11 per metre.

Answer: \$ _____ [2]

15. Calculate the value of the angle marked x .



NOT TO SCALE

Answer: _____° [2]

16. Simplify:

(a) (i) $3x + 4x - 5x$

Answer: _____ [1]

(ii) $\frac{18b^2}{9b}$

Answer: _____ [2]

- (b) When $a = 4$ and $b = -3$, calculate the value of
 $2a + b$

Answer: _____ [3]

- (c) Solve for m .
 $5m - 3 = 2m + 9$

Answer: _____ [4]