0044/1   BJC

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**.

                                                    [Turn over

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

1.   (a)   3178
             +4962
              2450
             ─────

Answer: _____ [1]

(b)   8032
        −4781
        ─────

Answer: _____ [1]

(c)   3117
        ×   7
        ─────

Answer: _____ [1]

(d)   5)5225

Answer: _____ [1]

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

Answer: _____ [1]

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LIVEWORKSHEETS

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.
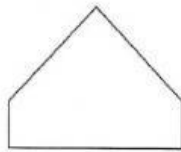
   (a)   36.38 _____ 33.68   [1]

   (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?

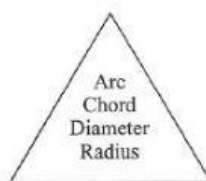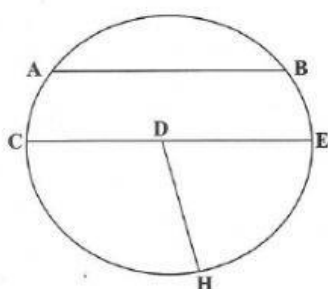   Answer: _____ boxes [2]

    (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:

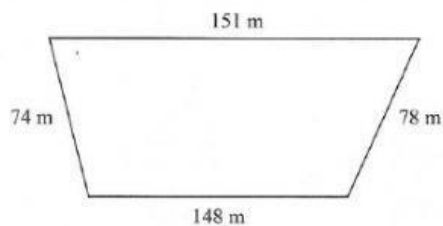8 twenty five-cent pieces   3 ten-cent pieces   4 one-cent pieces

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

Answer: $ _____ [4]

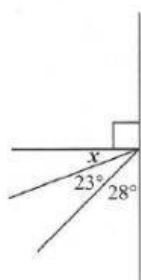14.   The sides of a piece of land are 74 m, 78 m, 148 m, and 151 m.

NOT TO SCALE

151 m

74 m   78 m

148 m

(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]

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15. Calculate the value of the angle marked x.

NOT TO SCALE

x
$23°$ $28°$

Answer: _____ ° [2]

16. Simplify:

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

Answer: _____ [1]

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

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]