

0044/1

BJC

FOR EXAMINER'S USE ONLY	
TOTAL MARKS	

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

**MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE
EXAMINATION 2015**

0044 MATHEMATICS

PAPER 1 (50 Marks)

Friday **29 May 2015** 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 paper.

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.

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

1. (a)
$$\begin{array}{r} 4026 \\ 5432 \\ + 850 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$\begin{array}{r} 6954 \\ -3163 \\ \hline \end{array}$$

Answer: _____ [1]

2. (a)
$$\begin{array}{r} 4012 \\ \times 5 \\ \hline \end{array}$$

Answer: _____ [1]

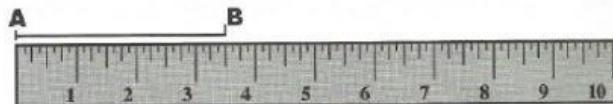
(b)
$$\begin{array}{r} 6 \sqrt{9836} \\ \hline \end{array}$$

Answer: _____ [1]

3. Give the value of the 9 in 8.392.

Answer: _____ [1]

4. Give the length of the line segment AB.



Answer: _____ inches [1]

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5. **R E A D**Which of the above letters has **no** line of symmetry?

Answer: _____ [1]

6. (a) Write the fraction that represents a value greater than 1.

$$\frac{1}{7} \quad \frac{2}{3} \quad \frac{16}{16} \quad \frac{8}{7}$$

Answer: _____ [1]

(b) Write the missing value in each of the circles below:

$$(i) \quad \frac{5}{9} = \frac{\text{_____}}{45}$$

Answer: _____ [1]

$$(ii) \quad \frac{16}{28} = \frac{4}{\text{_____}}$$

Answer: _____ [1]

7. Rental cars on BaBa Island cost \$85 per day plus a non refundable security deposit of \$125. If Mr. Smith rents a car for 2 days, how much must he pay the Rental car company?

\$85 per day

Answer: \$_____ [2]

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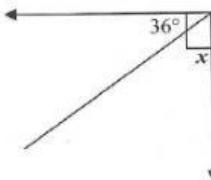
8. Determine the Highest Common Factor (HCF) of the following numbers

$$32 = 2 \times 2 \times 2 \times 2 \times 2$$

$$48 = 2 \times 2 \times 2 \times 2 \times 3$$

Answer: _____ [2]

9. Find the value of x .



Answer: _____° [2]

10. Samuel bought 7 comic books. If each book costs \$8.40, how much money did he spend altogether?



Comic books - \$8.40 each

Answer: \$ _____ [2]

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11.



This digital clock shows 6:45. What time will the clock show in 20 minutes?

Answer: _____ [3]

12. Write as an ordinary number $6 \times 10^2 + 3 \times 10^1$

Answer: _____ [3]

13. Evaluate $\sqrt{9+5^3}$

Answer: _____ [3]

14. (a) Arrange the integers in order from least to greatest

8, -12, 0

Answer: _____ [1]

(b) Find the difference between the greatest and least integer.

Answer: _____ [2]

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15. Use the words from the box below to identify the polygon shown.

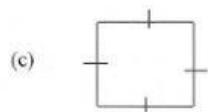
Hexagon Pentagon Triangle Trapezium Square



Answer: _____ [1]



Answer: _____ [1]



Answer: _____ [1]

16. In a class of 30 students, 60% of them do **not** wear glasses.

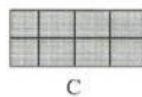
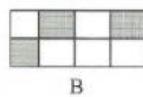
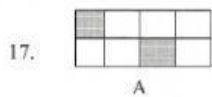
(a) What percentage **wear** glasses?

Answer: _____ % [1]

(b) How many students do **not** wear glasses?

Answer: _____ [2]

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(a) Write a fraction to represent the shaded part in

(i) A,

Answer: _____ [1]

(ii) B.

Answer: _____ [1]

(b) Find the sum represented by A + B + C.

Answer: _____ [2]

18. (a) Using a ruler, a pair of compasses and a pencil, construct a 60° angle at Q. Name the angle PQR. [3]



(b) Bisect angle PQR. [2]

19. (a) Simplify $7g + 2g - 5g$

Answer: _____ [1]

(b) If $b = 26$, find the value of $6 \times \frac{b}{2}$.

Answer: _____ [2]

(c) Solve for p .

$$4p - 8 = 12$$

Answer: _____ [2]