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0044/1

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Total Marks	

BJC

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

**MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE
EXAMINATION 2009**

**0044 MATHEMATICS
PAPER 1 (50 MARKS)**

Friday 29 May 2009 9.00-10.00 AM.

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, 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 [].



Answer ALL questions. Show necessary working.

1. (a)
$$\begin{array}{r} 305 \\ + 72 \\ \hline 2469 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$\begin{array}{r} 9024 \\ - 6173 \\ \hline \end{array}$$

Answer: _____ [1]

2. (a)
$$\begin{array}{r} 6507 \\ \times 4 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$6 \overline{)8406}$$

Answer: _____ [1]

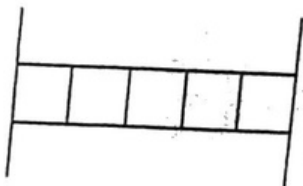
3. Write the value of:
8 hundreds, 3 tens and 6 ones

Answer: _____ [1]

4. Express 0.306 correct to the nearest hundredth.

Answer: _____ [1]

5. What fraction of the shape is **UNSHADED**?

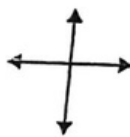


Answer: _____ [1]

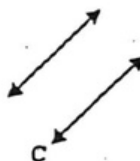
6. Write the letter that is beneath the pair of lines which best represent parallel lines.



A



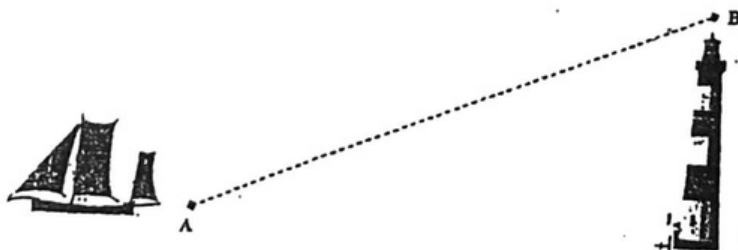
B



C

Answer: _____ [1]

7. Given that 1 cm represents 50 m, find the actual distance between the lighthouse and the boat (AB).



Drawn to scale

Answer: _____ [2]

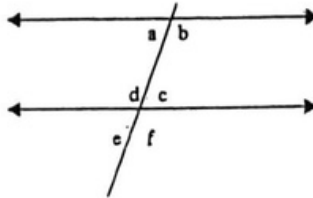
8.



The cost for a cell phone call with ZOE'S cell phone card is 40 cents per minute. How many minutes can I buy for \$20?

Answer: _____ mins [2]

9. Use the diagram below to answer the questions which follow.



(a) Identify a pair of corresponding angles.

Answer: _____ [1]

(b) Angle $a = 62^\circ$. Write down the size of angle c .

Answer: _____ $^\circ$ [1]

10. Draw in, where possible, the line(s) of symmetry on the letters below:

DARE

[3]

11.



A
83 ml



B
125 ml

Glass A has 83 ml of liquid and glass B has 125 ml of liquid.

- (a) What is the total amount of liquid in both glasses?

Answer: _____ ml [1]

- (b) Express your answer to (a) in litres.

Answer: _____ litres [2]

12. Write six and four-ninths as an improper fraction.

Answer: _____ [3]

11.

Tank's Taxi Service



1st mile\$5.50
Each additional mile\$2.25

Mr. Tank's Taxi Service charges \$5.50 for the first mile and \$2.25 for each additional mile. How much will he charge for a journey of 9 miles?

Answer: \$ _____ [3]

ROUGH WORK

14. Use your pencil, ruler and protractor to draw $\widehat{WXY} = 70^\circ$

[3]

15. Multiply $1\frac{3}{4}$ by $2\frac{1}{5}$.

Answer: _____

[4]

16.

Angela
2Beth
3Cindy
4

Angela, Beth and Cindy shared \$846 in the ratio 2:3:4 respectively. How much money did Cindy receive?

Answer: \$ _____ (5)

17. The students at Mandigo School held a canned food drive. The results are shown below.

CANNED FOOD DRIVE

GRADE	CANS COLLECTED
7	
8	
9	
10	
11	
KEY:	 represents 20 cans

ROUGH WORK

- (a) Which grade collected 70 cans?

Answer: _____ [1]

- (b) How many more cans did Grade 7 collect than Grade 11?

Answer: _____ [3]

- (c) How many cans were collected in all?

Answer: _____ [2]

18. (a) Simplify

$$6m + p + 3p - 2m$$

Answer: _____ [2]

- (b) Given that $p = 7$, calculate the value of $2p^2$.

Answer: _____ [2]

- (c) Solve for 'h'.

$$3h - 5 = 19$$

Answer: _____ [2]