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0044/1

BJC

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Total Marks	

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

**MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE
EXAMINATION 2008**

0044 MATHEMATICS

PAPER 1 (50 MARKS)

Monday **2 June 2008** 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 the 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 ALL necessary working.

1. (a)
$$\begin{array}{r} 264 \\ + 572 \\ \hline 190 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$\begin{array}{r} 7869 \\ - 4935 \\ \hline \end{array}$$

Answer: _____ [1]

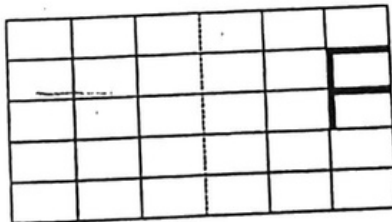
2. (a)
$$\begin{array}{r} 8131 \\ \times 6 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$5 \overline{)5605}$$

Answer: _____ [1]

3. Reflect the letter F in the broken line.



[1]

4. Express 0.85 as a fraction, in its lowest terms.

Answer: _____ [2]

5. Use your protractor to draw an angle of 65° at the point marked J.



[2]

6. Bob has the four numbered cards below. One card is chosen at random. What is the probability that the card has a square number written on it?



Answer: _____ [2]

7.



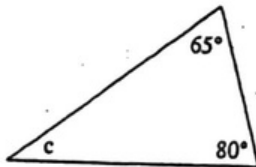
The CAT phone company charges 40¢ for each outgoing local phone call. What is the maximum number of calls I can make with a \$20 phone card?

Answer: _____ [2]

8. $\frac{1}{4} \times \frac{2}{25}$

Answer: _____ [2]

9.



NOT TO SCALE

Calculate the size of angle c.

Answer: _____ ° [3]

10. Use the percentages in the boxes below to make the statements below true.

75%	60%	50%	5%	175%	25%
-----	-----	-----	----	------	-----

(a) $\frac{3}{5} =$ _____ [1]

(b) $\frac{7}{4} =$ _____ [1]

(c) $0.05 =$ _____ [1]

11.



Jess earned \$22.50 from selling newspapers and \$15.25 from baby-sitting.

- (a) How much money did Jess earn altogether?

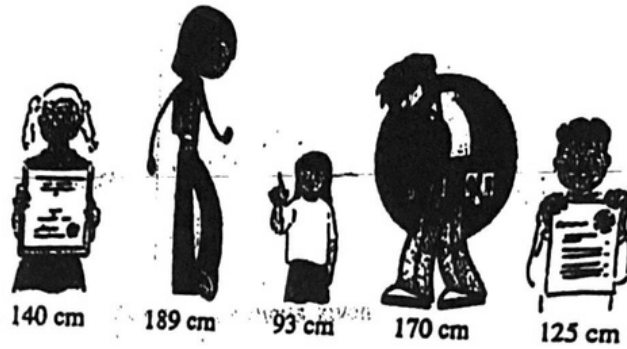
Answer: \$ _____ [1]

She spends \$3.99 for a snack at lunch break.

- (b) How much money does she have left?

Answer: \$ _____ [2]

12.



- (a) Give the range of the heights of the five students above.

Answer: _____ cm [2]

- (b) Give the median height of these five students.

Answer: _____ cm [2]

13. Calculate the value of the following:

- (a) 6^3

Answer: _____ [2]

- (b) $(0.9)^2$

Answer: _____ [2]

14. Simplify

(a) $6d - 2h + 5h - d$

Answer: _____ [2]

(b) $\frac{20p^4}{4p}$

Answer: _____ [2]

15. (a) Given that $z = 36$, find the value of

$$\frac{z + 4}{10}$$

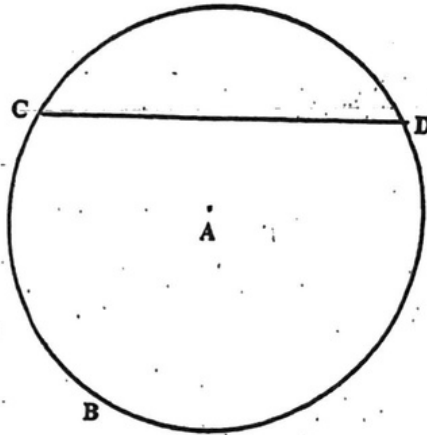
Answer: _____ [2]

(b) Solve for m .

$$2m + 8 = 56$$

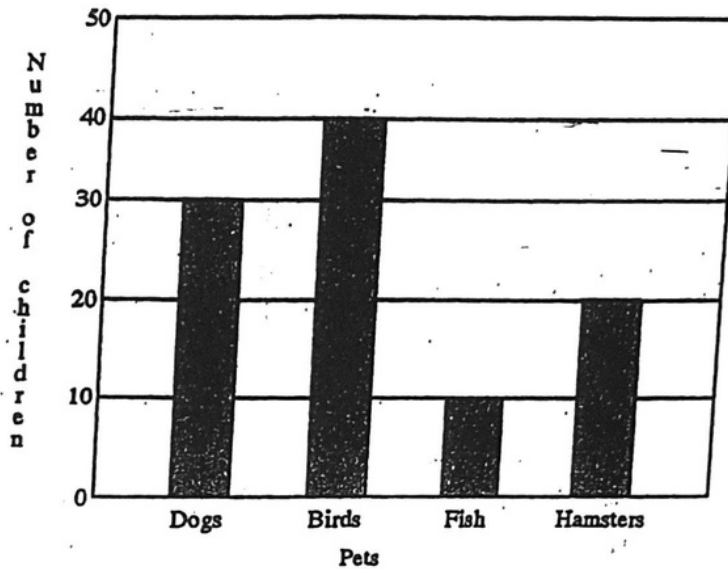
Answer: _____ [3]

16. Below is a circle with centre A.



- (a) Draw in a radius. [1]
(b) Shade in a segment of the circle. [1]
Fill in the blanks:
(c) CD is a _____ of the circle. [1]
(d) BC and BD are _____ of the circle. [1]
-

17.



The graph shows a survey of students of Aunt Sue's Pre-school to determine which pet they owned. Use this graph to answer the questions which follow.

- (a) How many students owned a bird?

Answer: _____ students [1]

- (b) How many more students owned dogs than owned fish?

Answer: _____ [1]

- (c) Write down the ratio of birds to hamsters in its lowest terms.

Answer: _____ [1]

- (d) How many students took part in the survey?

Answer: _____ [2]