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MINISTRY OF EDUCATION BAHAMAS JUNIOR CERTIFICATE EXAMINATION 2025

0044 MATHEMATICS

PAPER 1 (50 Marks)

Friday **30 MAY 2025** 9:00 A.M.–10:00 A.M.

INSTRUCTIONS TO CANDIDATES:

Do not open this booklet until you are told to do so.

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 in 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 for 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 and 1 blank page.

1. (a)
$$\begin{array}{r} 4578 \\ + 679 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$\begin{array}{r} 8053 \\ - 1721 \\ \hline \end{array}$$

Answer: _____ [1]

2. (a)
$$\begin{array}{r} 805 \\ \times 5 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$7 \overline{)8834}$$

Answer: _____ [1]

3. Insert <, > or = to make a true statement. [3]

(a) 8.7 _____ 8.07

(b) 71.3 _____ 71.30

(c) 354.6 _____ 354.68



4. (a) Find the product of $\frac{3}{4}$ and $\frac{1}{5}$.

Answer: _____ [3]

- (b) Express your answer from part (a) as a decimal.

Answer: _____ [2]

5. Five cards as shown in the diagram below.



Using a number only **ONCE**, write down a/an:

- (a) multiple of 4 _____ [1]
(b) prime number _____ [1]
(c) square number that is a multiple of 4 _____ [1]
(d) factor of 12 and 18 _____ [1]

6. Mary scored 18 out of 25 on her science test.

Calculate her percentage score.

Answer: _____ [2]

7. The ratio of dogs to cats in an animal shelter is 7 : 5 respectively.

If there are 28 dogs in the shelter, calculate the

- (a) number of cats in the shelter.

Answer: _____ [2]

- (b) total number of animals in the shelter.

Answer: _____ [1]

-
8. Mark packed two boxes.

The first box weighs 3000 g and the second box weighs 4.56 kg.

- (a) Express the weight of the first box in kg.

Answer: _____ kg [1]

- (b) (i) Calculate the total weight of the 2 boxes in kg.

Answer: _____ kg [1]

- (ii) Express your answer correct to 1 decimal place.

Answer: _____ kg [1]



9. (a) Simplify

$$8m + 7m - 9m$$

Answer: _____ [1]

- (b) If $p = 3$, find the value of

$$24 - p^2$$

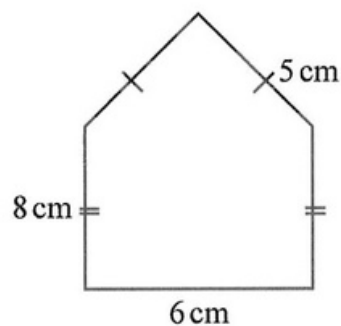
Answer: _____ [3]

- (c) Solve for n

$$n - 8 = 4$$

Answer: _____ [1]

10. Study the shape below and then answer the questions that follow:



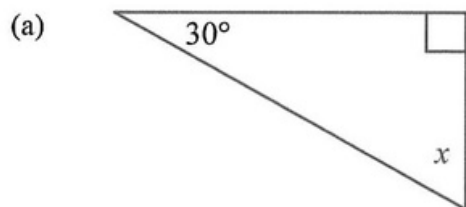
- (a) Name the polygon

Answer: _____ [1]

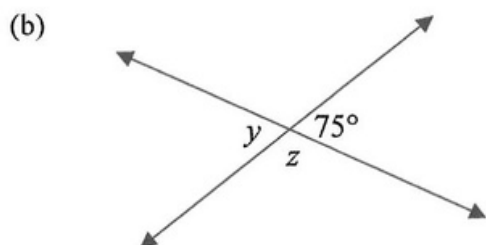
- (b) Calculate the perimeter of the polygon

Answer: _____ cm [2]

11. Calculate the size of the angles marked by letters.



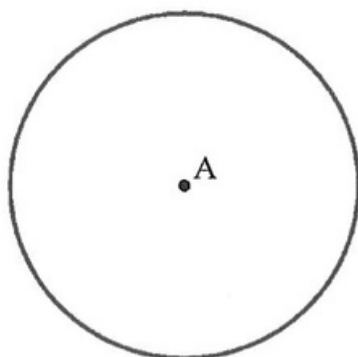
Answer: $\angle x$ _____ $^\circ$ [3]



Answer: $\angle y$ _____ $^\circ$ [1]

Answer: $\angle z$ _____ $^\circ$ [2]

12. The circle below is drawn to scale and its centre is label A.



- (a) Draw a radius and label it AB. [2]

- (b) (i) Measure and write down the length of the radius in *cm*.

Answer: _____ *cm* [1]

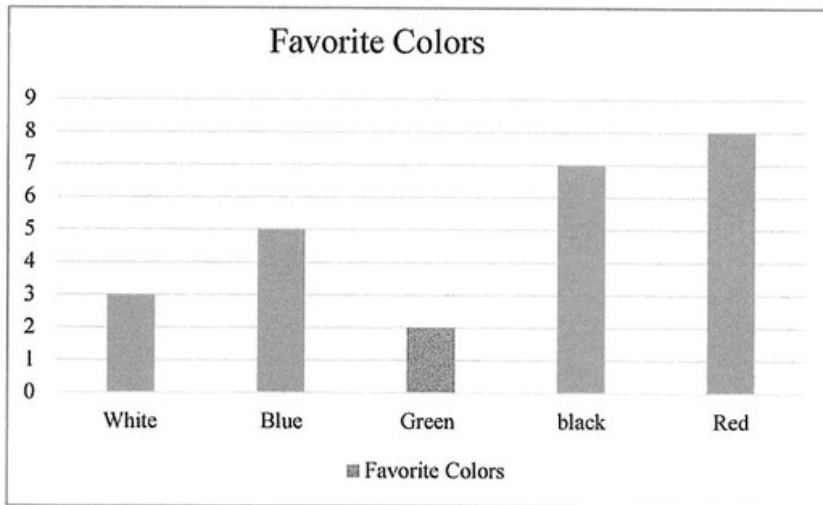
- (ii) Hence, state the length of the diameter.

Answer: _____ *cm* [1]



13. The bar graph below shows the favourite colours of students in grade 9.

Study the graph and answer the questions that follows:



- (a) State the colour that is the
- (i) most popular _____ [1]
- (ii) least popular _____ [1]
- (b) Calculate the difference between the number of students who choose black than white.

Answer: _____ [2]

- (c) Identify the colour that was liked by 5 students.

Answer: _____ [1]

- (d) Determine how many students are in the class.

Answer: _____ [2]

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