

FOR EXAMINERS' USE ONLY	
TOTAL	

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

**MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE
EXAMINATION 2022**

0044 MATHEMATICS

PAPER 1 (50 Marks)

Monday **13 JUNE 2022** 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 [].



1. (a)
$$\begin{array}{r} 3205 \\ 973 \\ + 87 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$\begin{array}{r} 6952 \\ - 741 \\ \hline \end{array}$$

Answer: _____ [1]

2. (a)
$$\begin{array}{r} 596 \\ \times 4 \\ \hline \end{array}$$

Answer: _____ [1]

(b)
$$6 \overline{) 486}$$

Answer: _____ [1]

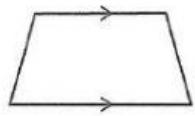
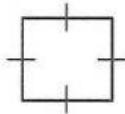
3. Using the words in the box below, name each of the given shapes.

Trapezium

Square

Kite

Parallelogram



(a) _____

(b) _____

(c) _____

[3]



4. Mrs. Smith left home at 1:15 pm.
She returned home at 3:45 pm.

Calculate the length of time she was away from home.

Answer: _____ [2]

5. Express

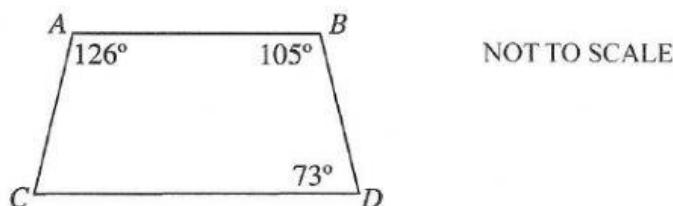
(i) $\frac{3}{5}$ as a decimal,

Answer: _____ [2]

(ii) 0.145 as a percent.

Answer: _____ [2]

6. $ABCD$ is a quadrilateral. Calculate the size of angle C.



Answer: _____ $^\circ$ [3]



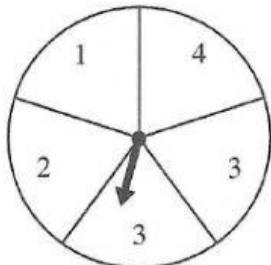
7. (a) Express 40 as a product of its prime factors.

Answer: _____ [2]

(b) Write your answer from (a) in index form.

Answer: _____ [1]

8. Olivia spins the wheel below once.



Find the probability that it stops on:

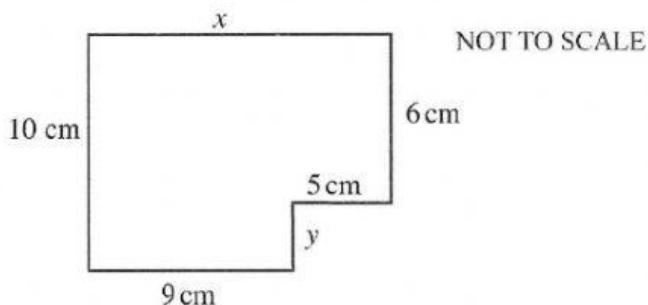
(i) the number 3, _____ [1]
(ii) a multiple of 4, _____ [1]
(iii) the number 5, _____ [1]
(iv) a square number. _____ [1]

9. Complete the sequences below.

▲ ● ■■ , ● ■■ ▲ , _____ [1]



10. Study the diagram below



(a) Find the length of

(i) x

Answer: _____ cm [1]

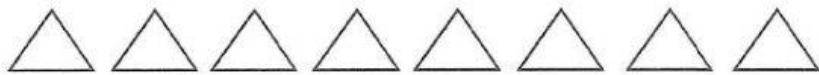
(ii) y

Answer: _____ cm [1]

(b) Calculate the perimeter of the shape.

Answer: _____ cm [2]

11. Shade $\frac{3}{4}$ of the triangles below.



[2]



12. The diagram below shows the calendar month of August.

Study it and then answer the questions that follow.

AUGUST 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Emancipation Day is celebrated on the first Monday of the month.

(i) State the date of Emancipation Day.

Answer: _____ [1]

Mr. Rolle's birthday is on the 11th of August.

(ii) Write the day of Mr. Rolle's birthday.

Answer: _____ [1]

He plans to celebrate his birthday on the third Saturday in August.

(iii) Find how many days after his birthday does he have to wait.

Answer: _____ [1]

Teachers return to school on August 29th. Students return one week later.

(iv) Write the date the students return to school.

Answer: _____ [1]

13. Write the number that is one hundred less than 2736.

Answer: _____ [1]



14. (i) Simplify the following expression.

$$3x + 8x - 12x$$

Answer: _____ [1]

(ii) If $p = 6$, find the value of $p^2 + 7$.

Answer: _____ [3]

(iii) Solve for q :

$$12q - 1 = 35$$

Answer: _____ [2]

15. A book has 450 pages.
Karen has read 20% of the book.

Calculate how many pages she has **not** read.

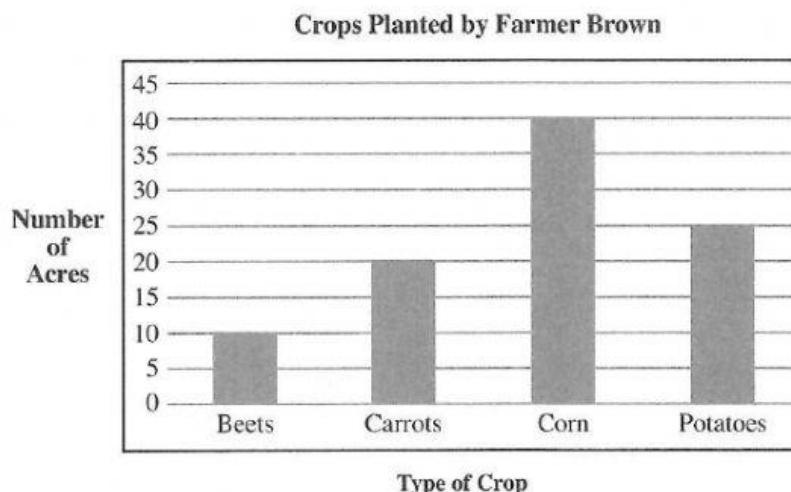
Answer: _____ [3]



16. Farmer Brown has 100 acres of land.

ROUGH WORK

The bar graph below shows the number of acres used for some crop.



(a) State the number of acres used for corn.

Answer: _____ [1]

(b) State the crop which used the least number of acres.

Answer: _____ [1]

(c) Calculate how many more acres of potatoes were planted than beets.

Answer: _____ [2]

Farmer Brown wants to plant some cabbage.

(d) Find how many acres are available for him to plant the cabbage.

Answer: _____ [2]

