

0044/1**BJC**

FOR EXAMINERS' USE ONLY	
Sections	Mark
A	
B	
Total	

SCHOOL No.	CANDIDATE No.

**MINISTRY OF EDUCATION
BAHAMAS JUNIOR CERTIFICATE
EXAMINATION 1996**

0044 MATHEMATICS

PAPER 1 (50 Marks)

Thursday **13 June 1996** 9:00 – 10:00 A.M.

INSTRUCTIONS TO CANDIDATES

Write your school number and candidate number in the spaces provided on the question booklet.

Answer **ALL** questions in the spaces provided on the question paper.

ALL working must be shown.

The use of calculators, slide rules, tables or other calculation aids is **NOT** allowed.

The mark for each question, or part question is shown in brackets. []

This question paper consists of **11** printed pages.

1. (a)
$$\begin{array}{r} 2076 \\ + 729 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 5421 \\ - 1373 \\ \hline \end{array}$$

Answer (a) _____ [1]

Answer (b) _____ [1]

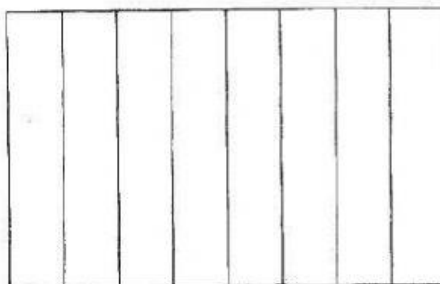
2. (a)
$$\begin{array}{r} 480 \\ \times 4 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 540 \\ + 5 \\ \hline \end{array}$$

Answer (a) _____ [1]

Answer (b) _____ [1]

3. (a) Shade $\frac{5}{8}$ of the rectangle below.



[1]

- (b) What is the missing number?

$$\frac{3}{8} = \frac{\quad}{16}$$

Answer _____ [1]

4. Which of the letters in the sign below has at least one line of symmetry?



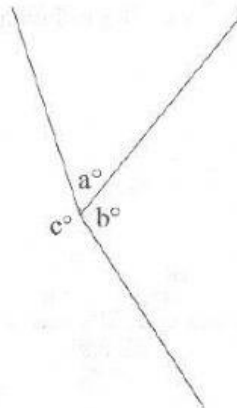
Answer _____ [1]

5. From the symbols $\cup$, $\in$, $\notin$, $\cap$, choose one to make the following statement true.

39 _____ {primes}.

Answer _____ [1]

- 6.



The total number of degrees in $a + b + c$ is

Answer _____ $^\circ$ [1]

7. Write down the next two numbers in the following sequence.

20, 16, 12, 8, 4, _____, _____.

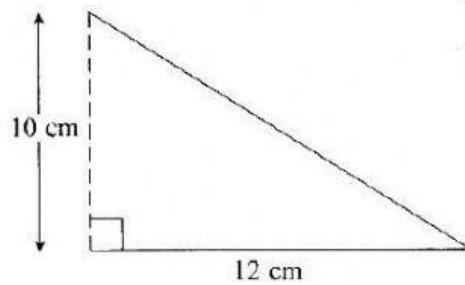
Answer _____ [2]

8. Given that $h = 10$, calculate

$$6h + 4.$$

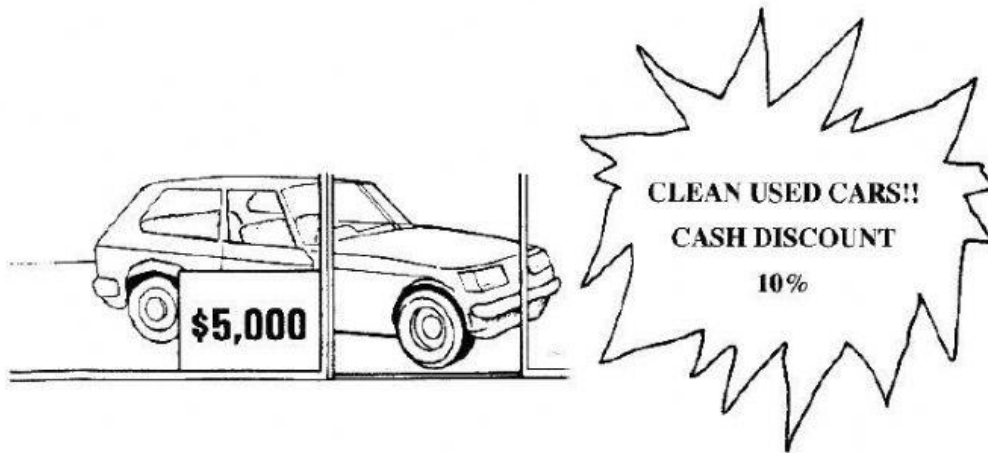
Answer _____ [2]

9. Use $\frac{\text{base} \times \text{height}}{2}$ to calculate the area of the following triangle.



Answer _____ cm^2 [2]

12. Tom paid cash for the car below.



- (a) Calculate his discount.

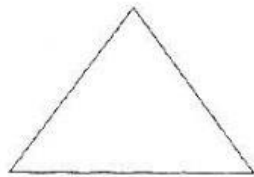
Answer \$ _____ [2]

- (b) How much did he pay for the car?

Answer \$ _____ [1]

13. From the list of words given below, identify the shapes which follow.

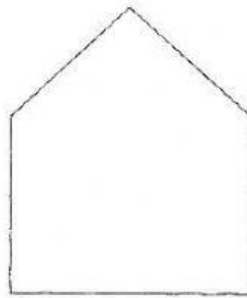
QUADRILATERAL
PENTAGON
TRIANGLE



(a) _____ [1]



(b) _____ [1]



(c) _____ [1]

14. Solve

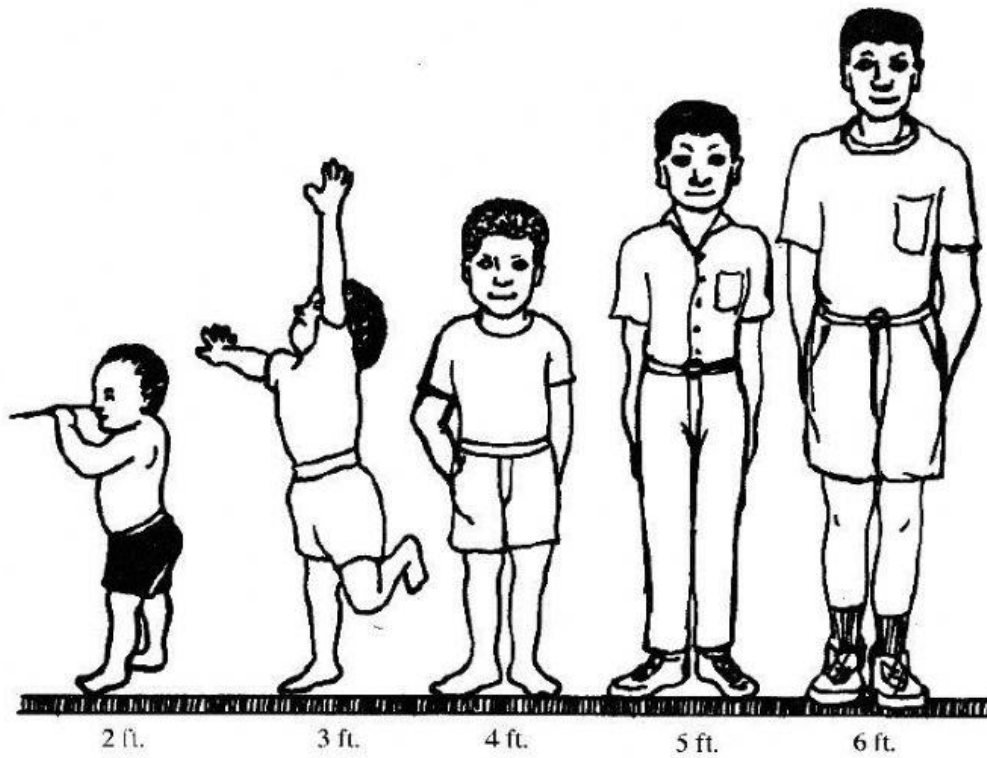
(a) $\frac{d}{3} = 6,$

Answer _____ [1]

(b) $m + 4m = 60.$

Answer _____ [2]

15. The heights of five boys are given below.



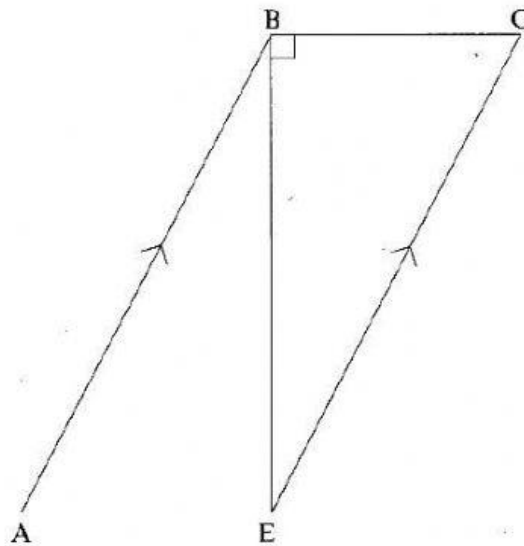
(a) Write down the median height.

Answer _____ ft. [1]

(b) Calculate the average height.

Answer _____ ft. [2]

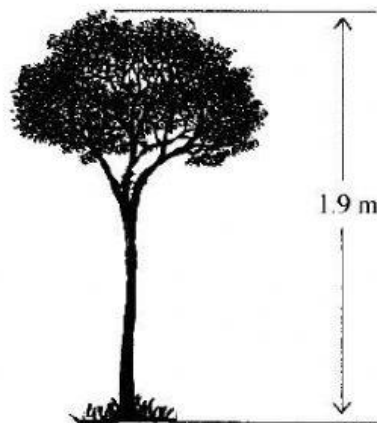
16.



From the diagram write down

- | | | |
|-----|--------------------------------|------------------|
| (a) | a right angle, | Answer _____ [1] |
| (b) | a pair of parallel lines, | Answer _____ [1] |
| (c) | a pair of perpendicular lines. | Answer _____ [1] |

17.



From the diagram,

- (a) write down the height of the tree as a mixed fraction.

Answer _____ m. [1]

Last year, it was 1.75m tall.

- (b) How many metres taller is it in the diagram?

Answer _____ m. [2]

18. From the set of numbers

$\{3, 5, 7, 9, 11, 17, 19, 21\}$,

write down the

- (a) factors of 21,

Answer _____ [2]

- (b) multiples of 7.

Answer _____ [2]

- 19.



The rate of payment in a walkathon is \$5 per mile. Sarah walked $3\frac{1}{2}$ miles.

- (a) How much should she be paid?

Answer \$ _____ [2]

Tom received \$45.00.

- (b) How far did he walk?

Answer _____ miles [2]