PRIMARY SIX END OF TERM III EXAMS
MATHEMATICS

Duration: 2 Hours 15 Minutes

Name :_____

School :_____

District: _____ class _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO
READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two sections: A and B.
2. Section A 20 questions (40 marks)
3. Section B has 12 questions. (60 marks)
4. Answer ALL questions in both sections A and B.
5. All working and answers must be written in the space provided in blue ball pen or black ink .Only diagrams should be drawn in pencil.
6. Unnecessary crossing will lead to loss of marks.
7. Poor handwriting which cannot be easily read may lead to loss of marks.

FOR OFFICIAL USE ONLY			
SECTION	**Subject Teacher's Marks**	**Head of Dept's Assessment Marks**	**Supervisors' Final Assessment Marks**
A			
B			
TOTAL:100			

Teacher's comment to the pupil

_____

_____

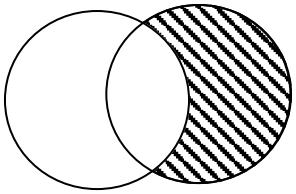
_____

Turn Over

SECTION B (40 MARKS)
(Each question carries 2 marks)

1. Subtract 499 from 600

2. Describe the shaded region.

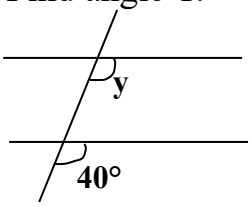


3. Expand 2793 using place values.

4. Change 288 to Roman Numerals.

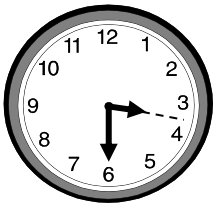
5. Find the next number in sequence.
1,3,6,10,_____

6. Find angle Y.



7. Find the median of the following.
3,9,5,1 and 7

8. Tell the afternoon time shown on the clock face.



9. Workout:
$$\begin{array}{r} 1\ 1 \\ +\ 2\ 3 \\ \hline \end{array}$$

10. Use a ruler a pencil and a pair of compasses only to construct an angle of 75°.

11. Round off 69.93 to the nearest whole number.

12. Calculate the simple interest on sh 120000 at rate of 51 per year for 2 years.

13. Workout:
$$\begin{array}{r} 2\ 3\ 1_{\text{five}} \\ +\ 1\ 3\ 4_{\text{five}} \\ \hline \end{array}$$

14. Find the LCM of 4 ,12 and 15

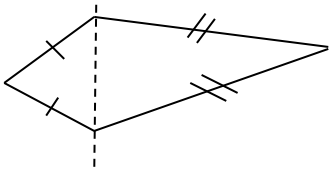
15. Express $\frac{2}{5}$ as a percentage.

16. Simplify $^{+}10 + {}^{-}6$

17. Write 92,404 in words.

18. Find the square root of 0.04.

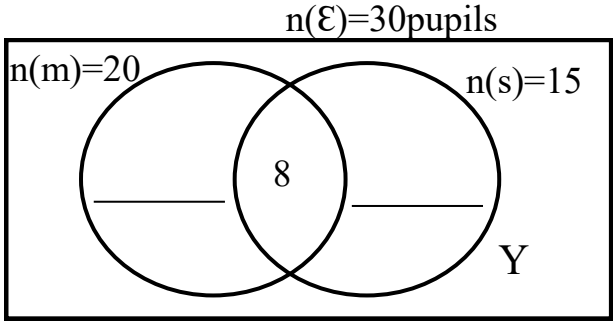
19. How many lines of folding symmetry has the figure?



20. Arrange in descending order.
$^{-}2, {}^{-}8, {}^{-}0, 1, {}^{-}4, {}^{+}8$

SECTION B (60 MARKS)

21. (a) In a class of30 pupils. 20 pupils like Mathematics (M). 15 of them like SST while Y like none of the two subjects.
(a) Complete the Venn diagram below.



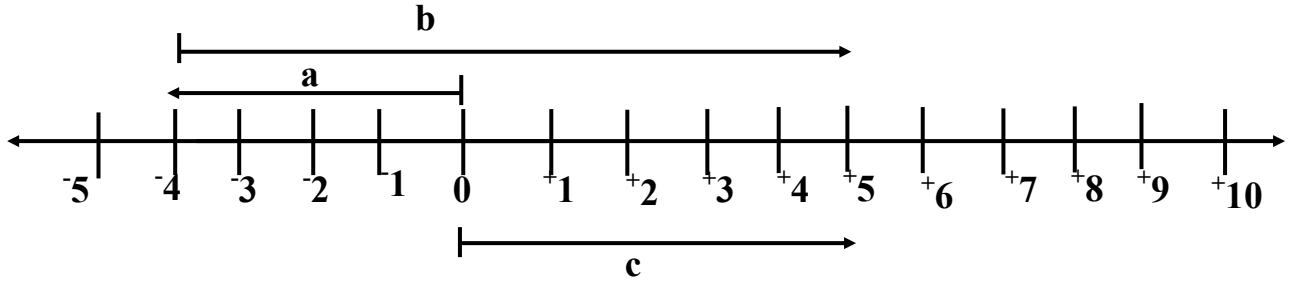
(b) Find the value of Y.

(c) What is the probability of picking at random a pupil who likes one subject only?

22. (a) Find the value of 2 hundreds.

(b) Workout the sum of the value of 2 and 7 in 1297.

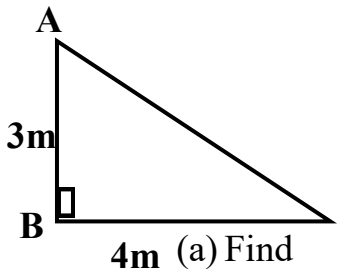
23. Study the number line below and give the value of;



(i) a =
(ii) b =
(iii) c =

(b) Write the additional mathematical statement for the above number line.

24. Study the figure below and answer the questions that follow.



(a) Find the size of length AC.

3mks

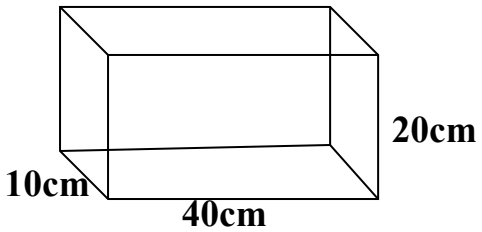
(c) Workout the perimeter of the triangle above.

4mks

25. Tom, Teddy and Grace shared sh 27000 in the ratio 2:3:4 respectively. How much did each get?

2mks

26. Use the rectangular tank below and answer the questions that follow.



(a) Find the number of faces it has.

(b) Calculate its volume. 1mk

2mks

(c) What is the capacity of the tank in litres

27. The sum of three consecutive counting numbers is 18. 2mks
(a) What are these numbers?

3mks

(b) Find their range.

1mk

28. Simplify: 4a –2y + a 3y

(b) Solve for x: If 5x –3 = x+3

29. (a) A science lesson which started at 11:50am took 40 minutes. At what time did it end?

(b) A taxi driver covered 120km in 3hour. At what speed was he driving? 2mks

3mks

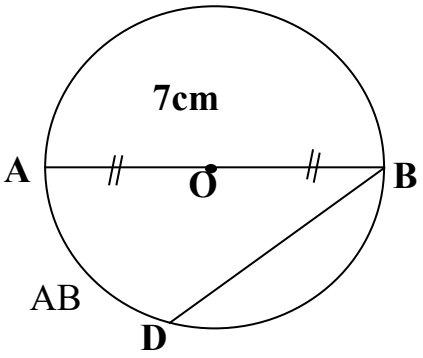
30. (a) Simplify: $\frac{1}{2} - \frac{1}{3} + \frac{1}{4}$

2mks

(b) Work out: $\frac{0.42 \times 0.32}{0.48}$

3mks

31. In the figure below, name line



(i) AB

1mk each

(ii) $\overline{BD}$ _____

(b) Calculate the length of AB.

2mks

(c) calculate the area of the circle.
(use π as $\frac{22}{7}$)

2mks

32. Vincent went to the shop and bought the following:-
3kg of meat at shs 8,000 per kg
$1\frac{1}{2}$ of cooking oil at shs 3,000 per litre.
500g of salt at shs 1000 per kg
4 packets of curry powder at shs 2,000.
(a) Workout Vincent 's total expenditure.

(b) If he was given a balance of shs 2,000,. How much did he have before he bought the items? 4mks

2mks