

GREENHILL PRIMARY SCHOOL

P.5 PRE MIDTERM III EXAMINATION 2019

SUBJECT : MATHEMATICS

Name _____ Stream _____

Campus _____

**For Examiner's
use only**

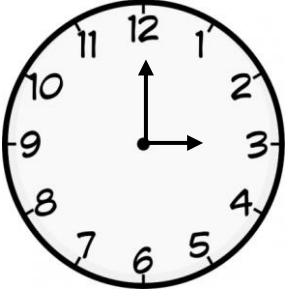
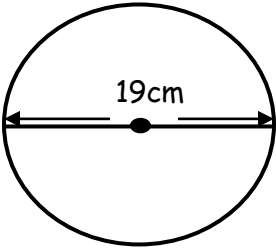
A

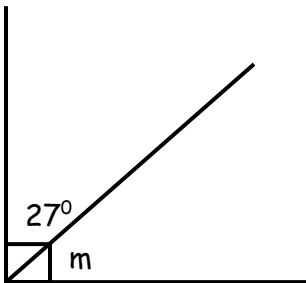
B

TOTAL

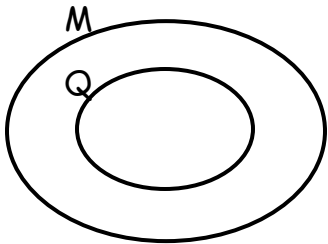
SECTION A - (40 MARKS)

1. Work out: $\begin{array}{r} 50 \\ + 39 \\ \hline \end{array}$	2. Express 15 metres in centimetres.
3. Expand 5703 using values.	4. Find the product of the next two numbers in the sequence below 2, 4, 6, 8, _____, _____
5. The cost of a watch is sh. 22000. Find the cost of 6 similar watches.	6. Given that $A = \{4, 5, 7, 9\}$ $D = \{1, 2, 3, 4, 5\}$. Find $A \cap D$.
7. Find the sum of a third and a half.	8. Simplify: $2x + 7y + x - 2y$

<p>9. Work out the L C M of 6 and 4.</p>	<p>10. Seven boys have an average of 11 years. Find their total age.</p>
<p>11. Express the afternoon time shown on the clock face in 24-hour clock system</p> 	<p>12. Arrange: $+5$, 0, -2, $+3$ and -4 in ascending order.</p>
<p>13. Opio's mass is 42kg and that of Adongo is 39kg. What is their total mass in grams?</p>	<p>14. Find the radius of the shape below.</p> 
<p>15. Work out:</p> $\begin{array}{r} 1 \ 2 \ 3_{\text{five}} \\ + \ 1 \ 1 \ 4_{\text{five}} \\ \hline \end{array}$	<p>16. The range of two numbers is 14. If the smaller number is 9, find the bigger one.</p>

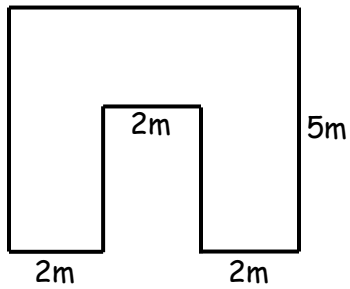
17. How many half-litre cups can fill a 10 litre jerrycan?	18. Draw a square and indicate all its lines of folding symmetry.
19. Find the value of m in degrees. 	20. Joan was given 6 apples by her brother and 8 apples by her mother on her birthday party. Draw tallies to show the total number of apples she received.

SECTION B - (60 MARKS)

21. Given that $M = \{a, b, c, d, e, f\}$ and $Q = \{b, e, d\}$, (ii) Represent the two sets on the Venn diagram below. 	(2 marks)
(ii) Find $n(Q-M)$	(1 mark)

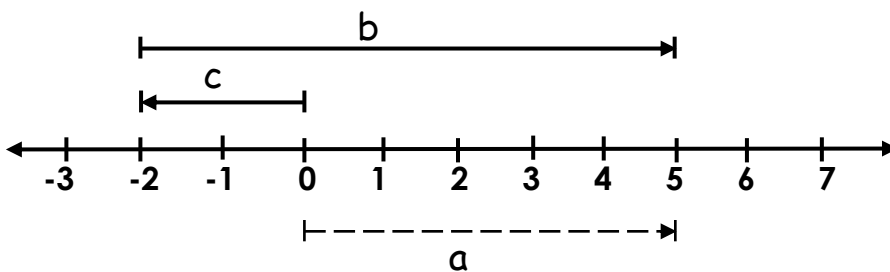
(iii) How many subsets are in set $M \cap Q$?	(2 marks)
<p>22. A tank contains 480 litres of water. $\frac{3}{4}$ of the water was used for washing clothes and the rest for watering flowers.</p> <p>a) Find the fraction of the water that was used for watering flowers.</p>	(2 marks)
(b) How many more litres of water were used for washing than for watering?	(3 marks)
23. Calculate the area of a right angled triangle whose height is 10cm and base of 12m.	(2 marks)

b) An insect moved round the shape below once. What distance did it cover in centimetres?



(3 marks)

24. Study the numberline below carefully and answer questions about it.



(i) Write the integer represented by:

$c =$ _____

$a =$ _____

$b =$ _____

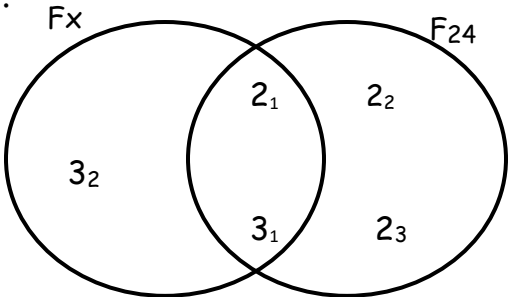
(1 mark @)

(ii) Write down the mathematical statement shown on the numberline above.

(2 marks)

25. (a) Solve for w ; $2w - 17 = 13$

(3 marks)

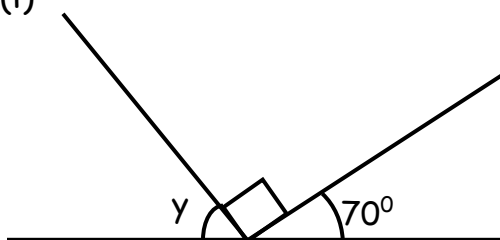
<p>(b) Given that $p = 8$, $q = 5$ and $r = 2$, Find the value of: $\frac{qp}{2r}$</p>	<p>(2 marks)</p>
<p>26. (a) Work out the following.</p> <p>(i) $\begin{array}{r} 3 \ 1 \ 4 \\ \times \quad 3 \\ \hline \end{array}$</p> <p>(ii) $\begin{array}{r} 6 \ 8 \ 4 \ 2 \\ - 4 \ 4 \ 1 \ 9 \\ \hline \end{array}$</p>	<p>(2 marks)</p> <p>(1 mark)</p>
<p>b) Four hundred fifty-nine dollars were shared equally among three workers. How many dollars did each get?</p>	<p>(2 marks)</p>
<p>27. 24 and x were prime factorized and their factors are shown on the Venn diagram below. Study it and answer questions that follow.</p> 	

(c) A forty-minute lesson began at 9:40am. At what time did it end?

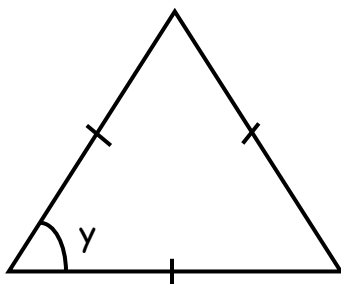
(2 marks)

29. Calculate the value of y in each of the diagrams below.

(i)




(2 marks)



(3 marks)

30. The Mathematics Head of Department distributed oranges to pupils who excelled in multiplication tables as shown below.

Name	Number of oranges
Martinah	20
Maryline	10
Sebastian	40
James	25
Jethro	30

Using a scale of  representing 10 oranges, draw a pictograph to show the above information.

(1 mark @)

Name	Number of oranges
Martinah	
Maryline	
Sebastian	
James	
Jethro	

31. At the beginning of term III 2019, Gabriella made a shopping list following the price list below.

Item	Amount
An exercise book	Sh. 1500
A geometry set	Sh. 2500
A fountain pen	Sh. 7000
A long ruler	Sh. 1500

a) If she bought 4 exercise books, how much did she pay?

(2 marks)

<p>b) What was the total cost of two fountain pens, a geometry set and a long ruler?</p>	<p>(3 marks)</p>
<p>32. With the help of a sharp pencil, a ruler and a pair of compasses <u>only</u>, construct an isosceles triangle MTC in which $\overline{MT} = 6\text{cm}$, $\overline{MC} = \overline{TC} = 5\text{cm}$.</p>	<p>(5 marks)</p>

***** END *****