

GREENHILL ACADEMY PRIMARY SCHOOL
CONTINUOUS ASSESSMENT
2023 (SET 09)
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No:

Random No.						Personal No.		

Candidate's name:

Candidate's signature:

District:

Read the following instructions carefully

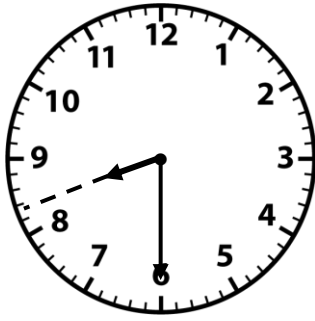
1. This paper has two Sections: A and B.
2. Section A has 20 answer questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written using blue ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

For Examiner's use only	
A	
B	
TOTAL	

SECTION A:

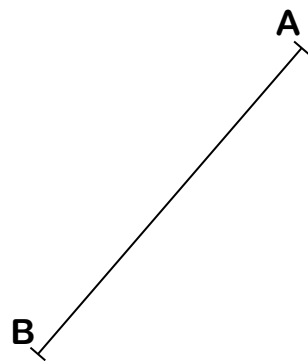
1. Workout: 100×0
2. Write LXIX in Hindu Arabic numerals.
3. Without dividing, show that 216 is exactly divisible by 3.
4. Workout: $\frac{4}{5} + \frac{2}{5}$
5. Simplify; $3 - +6$
6. Musoke bought $4\frac{1}{2}$ dozen pens at sh. 120000 each dozen. How much did he pay altogether?

7. A forty-five minute lesson started at the morning time shown on the clock face below. At what time did it end?



8. Simplify: 8 goats + 4 cows + 4 goats – 2 cows.
9. Find the ninth triangular number.
10. Given that $A = \{\text{all prime numbers less than } 10\}$ and $B = \{1, 2, 3, 4, 5, 6, 8\}$, list down elements of $A - B$

11. With the help of a ruler, a pencil and a pair of compasses only, bisect the line \overline{AB} below.



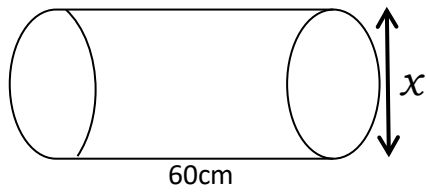
12. Paul bought 12400g of meat for his visitors. How many kilograms of meat did he buy?

13. In a class of 60 pupils, $\frac{2}{3}$ of them are girls and the rest are boys. How many boys are in that class?

14. Complete the table below

Tally	Marks	Frequency
	80	6
	90
.....	60	9

15. The base area of the prism below is 154cm^2 .



Find the value of x .

16. A man is 10 years older than his wife who is 29 years old. Find their total age.

17. Write "Two hundred thirty thousand twelve" in figures.

18. A factory produces 400 boxes of soap in a day. Each box contains 12 bars of soap. How many bars of soap does the factory manufacture daily?

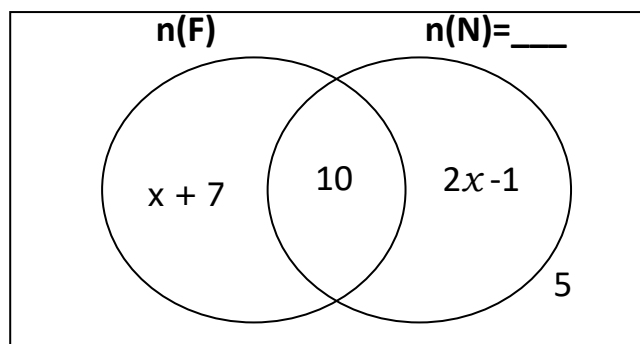
19. Find the mean of $4x$, $2x + 1$, and 5 .

20. Express 12:40a.m. in 24 hour clock system.

SECTION B.

21. The Venn diagram below shows the number of players who play football (F), netball (N) and other games.

$\Sigma =$

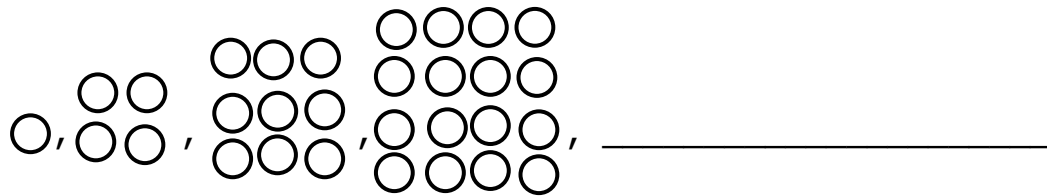


(a) Given that the number of players who play only football is twice the number that plays only netball, find the value of x .

(b) Find the probability of picking at random a player that plays other games.

22. (a) Find the square root of 1.44.

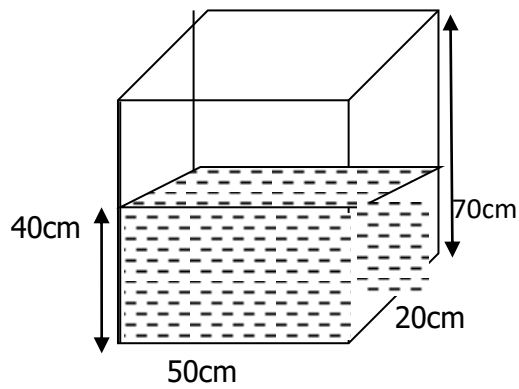
(b) Complete the pattern below.



23. (a) Solve; $2k + 6 < 0$.

(b) Write the solution set for k in (a) above.

24. Study the rectangular container of water below and answer questions that follow.



(a) How much water in litres is in the tank?

(b) Calculate the amount of water in litres needed to fill the tank?

25. The rates at which a bank buys and sells foreign currencies are given below.

Currency	Buying rate	Selling rate
US \$	Ug sh. 3600	Sh. 3650
K. sh	Ug sh. 31	Ug sh. 34

- (a) A tourist visited the bank with 800 US dollars and 2590 Kenya shillings. How much in Uganda shillings did he get from that bank?

- (b) How many U.S dollars would one get from K.sh.1, 131,500?

26. Using a pair of compasses, a ruler and a pencil only,
(a) construct a square NAPE of diagonal 10cm.

(b) Measure the length of each side.

27. A tank was $\frac{3}{4}$ full of fuel. When 1000 litres were drawn from the tank, it became a third full. Find the capacity of the tank when $\frac{1}{2}$ full of fuel.

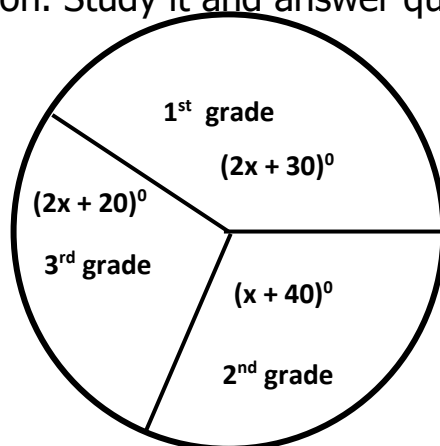
28. (a) Work out:

$$\begin{array}{r} 6453 \\ \times 252 \\ \hline \end{array}$$

- (b) Draw and represent 406_{nine} on an abacus.

29. In a test of 20 questions, a teacher awarded 3 marks for every correct answered question and deducted 2 marks for every wrong answered question.
- (a) If a candidate answered 18 questions correctly, how many marks did he get?
- (b) Given that a candidate obtained a mark of 40, how many questions did he/she get wrong?

30. The pie chart below shows grades got by a certain school in Mock examination. Study it and answer questions that follow.



- (a) Find the value of x .

- (b) Given that 47 candidates passed in 2nd grade , find the total number of candidates who did the exam.

31. A trader bought 8 trays of eggs for sh. 12000 each. He sold each for sh.15000.

- (a) How much profit did the trader make?

- (b) Work out his percentage profit.

32. Three soldiers who were on a firing training course were instructed to fire bullets in intervals of 10 minutes, 15 minutes and 20 minutes respectively.
- (a) After how many minutes will the three soldiers fire bullets at the same time?
- (b) If the first bullet was fired at exactly 3:00a.m, at what time, will the three soldiers fire at the same time for the third time?

***** **END** *****

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