

HILLSIDE PRIMARY SCHOOL EXAMINATIONS BOARD

PRIMARY SEVEN HOLIDAY PACKAGE FOR TERM ONE 2020

SET FOUR

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

Personal No.

EMIS No.

Candidate's Name	StreamStream
Candidate's Signature	
_	
EMIS No	
District Name	

Read the following instructions carefully

- This paper has two sections: A and B. Section A has 20 questions and Section B has 12 questions.
- **2.** Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
- **3. All** working must be done using a **blue** or **black** ballpoint pen or fountain pen. Any work done in pencil other than graphs and diagrams will not be marked.
- **4.** No calculators are allowed in the examination room.
- **5.** Unnecessary changes in your work may lead to loss of marks.
- **6.** Any handwriting that cannot easily be read may lead to loss of marks.
- 7. Do not fill anything in the table indicated: "For Examiners' Use Only" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY				
Qn. No.	MARKS	EXR'S NO		
1 - 5				
6 - 10				
11 - 15				
16 - 20				
21 - 22				
23 - 24				
25 - 26				
27 - 28				
29 - 30				
31 - 32				
TOTAL				

SECTION A: 40 MARKS

1. Add: 2 5 4 + 3 8

2. Work out: -8 - -3

3. Simplify: 5x - 3p - 2x + 5p

4. Given that set $P = \{1, 2, 3, 5\}$, how many subsets has set P?

5. Change $3\frac{1}{5}$ kg to grams.

- 6. What is the next number in the sequence below?
 - 1, 8, 27, 64, _____.

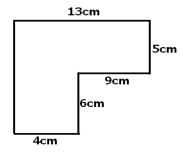
7. Round off 7.964 to the nearest tenths.

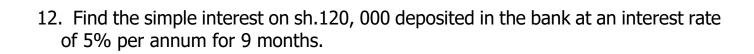
8. Using a pair of compasses, a ruler and a pencil only, construct an angle of 120°

9. Express 0.0684 in standard form.

10. Solve: 3(x + 4) = 21

11. Find the perimeter of the figure below.





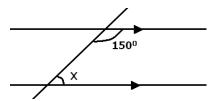
13. Find base p given that
$$23_p = 15_{ten}$$
.

14. Work out:
$$3 - 4 =$$
 (Finite 5)

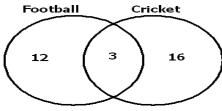
15. The cashier of Hillside P/S has a bundle of ten thousand shillings notes numbered consecutively from PQ 011563 to PQ 001612. How much money has she?

16. Given that q = 4 and b = -2, find the value of 2q - b.

17. Find the value of x.



18. The Venn diagram below shows the number of pupils who play football (F) and Cricket (C). How many pupils enjoy games?



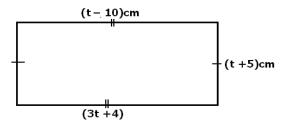
19. The price of a shirt was increased by 10%. If the new price of sh. 44,000, find the old price.

20. Abdul is **x** years old. He is 5 years younger than Madina. How old is Madina?

SECTION B: 60 MARKS

	a wedding party attended by 40 guests, all drank water, 18 drank soda and er, 20 drank juice and water, 2 took all the three drinks, y guests drank water.
-	Represent the above information on a Venn diagram.
(b)	How many guests drank juice only?
(c)	Find the total number of members who took only two drinks.
ansv	an examination containing 30 questions, 3 marks are awarded for every ver got correct and a mark is deducted for every number failed. Kafunvu got 20 questions correct, how many marks did he score
(b)	Sumayiya scored 66 marks, how many numbers did she fail?

23. Use the figure below to answer the questions that follow.



a) Find the value of t.

b) Find the length and width of the figure.

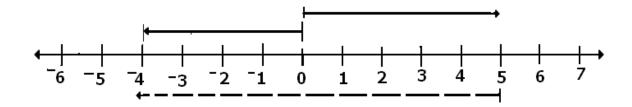
c) Work out the perimeter.

- 24. Jinja and Kampala are 90 kilometres apart. A motorist left Jinja for Kampala reaching it within 2 hours and returned within $2\frac{1}{2}$ hours.
 - a) Find the speed of the motorist from Jinja to Kampala.

b) Work out the average speed of the motorist for the whole journey.

25. a) Using a ruler, a pencil and a pair of compasses only, construct triangle MTN where angle TMN = 60° , angle MNT = 45° and MN = 8 cm

- b) Measure:
 - (i) Angle MTN
 - (ii) Line TM
- 26. a) Write the integers represented by the arrows on the number line below.



b) Write the mathematical statement that has been represented on the number line by the arrows.

27. Olanya had sh.55,000 and he bought the following items in the table below:

ITEM	QUANTITY	UNIT COST	TOTAL
1.2	Q0/	31121 3331	101712
Knickers in dozen	$\frac{1}{2}$ dozen	Sh.12000	Sh
Skirts	2 skirts	Sh	Sh.16,000
Stockings in dozen			
	dozen	Sh.1500	Sh.4,500
Blouses	2 blouses	Sh.6250	Sh

a) Complete the table above correctly.

b) If he was given a discount of 10%, how much money did he pay for the items?

28. Mr. Web spends 25% of his salary on fees, 30% on food, 35% on medical care and saves the rest. Using a radius of 3.5cm, draw an accurate pie chart to show the above information.

29. Jane used $\frac{1}{3}$ of her salary on food, $\frac{2}{5}$ on clothing and saved the rest of her salary a) What fraction of her salary did she save? (3mks)
b) If she saved sh.240000, find her monthly salary.
30. The exchange rate of one United States Dollar to Uganda shillings is US \$ 1 to Ug. Sh. 3800 and the exchange rate of one Kenya shilling to Uganda shillings i Ksh.1 to Ug.sh. 35. a) If Mr. Azania was given Ksh.19000, how many United States dollars did he have
b) How much money in Uganda shillings do I have if I am given US \$ 1500?

31. Bunjako had a sum of money which he gave out to his daughters Irene, Sylivi
and Joan in the ratio of 4: 5: 6 respectively. If Irene got sh. 80,000 less that
Joan, find the amount of money he gave out to his daughters.

a) How much was each given?

b) What percentage of the money did Joan get?

32. The table below represents the weight of girls in P.7 at St. Patrick Primary School. Study it carefully and answer the questions that follow.

Weight in kg	No. of girls	Tallies	Total
27	10		
30			240
	6	HH I	120
15			180
35	4		
	10	HH HH	400

a) Complete the table above.

b) Find the modal weight.

c) Calculate the average weight.