DREAM AFRICA SCHOOL - KAMWOKYA

P.L.E Internal Pre-Mock Examinations 2019 <u>MATHEMATICS</u>

Set one

	Durati	ion :2 l	Hrs.	30 M	in		
INDEX NUMBER							
NAME:				_ <u>E</u> Z	XAMINER ³	S USE ONL	<u>Y</u>
Signature:					A		
EMIS Numbe	r:				В		
Read the followin 1. The paper is n					TOTAL		
Section A has 40 s 2. Section B has 3. Answer ALL spaces provid 4. All answers m 5. Any handwrit 6. Unnecessary a 7. Do not write a	15 questions (60 questions. All an ed. nust be written in ting that cannot e	answers). nswers to both blue ink. easily be read k may lead to	section A will lead loss of m	to loss of n	ıarks.	n the	
PARENT'	S COMMEN'	T		5	SIGNATUR	E	

Find the	sum of	134 + 1	166	



Write 7,007,007 in words

 $3. \qquad \text{Simplify } 4x + 4y - 2x + 6y$

1.

Drop a perpendicular line from point K to AB

• K

A

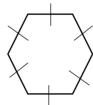
6.

8.

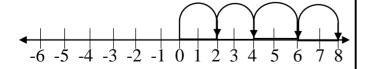
5. Work out: $(12+4) \div (16-12)$

Show the lines of folding symmetry in the figure below.

В

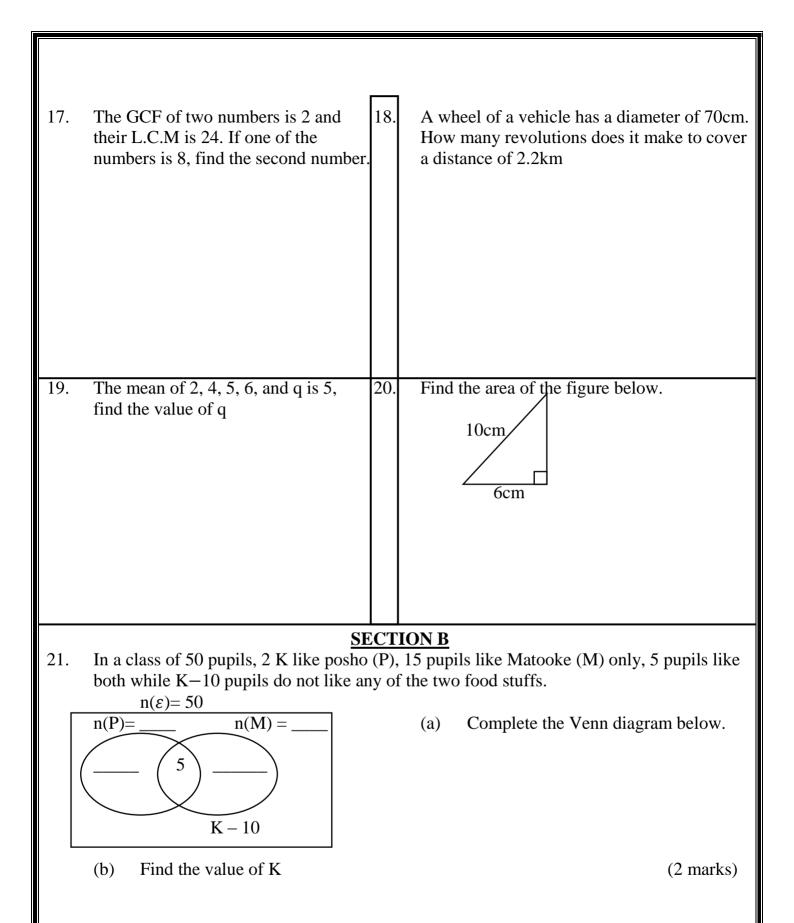


7. Write the Mathematical statement for the number line below.



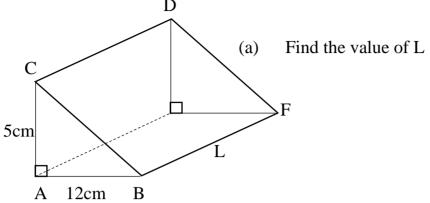
The sum of three consecutive even numbers is 78. If the least number is K. Find the value of K.

9.	Round off 3467 to the nearest hundreds	10.	The cost price of 5 bars of soap is sh. 54,000 Find the cost of 3 similar soap.
11.	If today is Thursday, what day of the week was it 25 days ago?	12.	Find the value of angle P 150°
13.	Write 4892 in standard form	14.	Write 12:45a.m in 24 hour clock system
15.	Convert $101_{\rm two}$ to denary base ath pre mock set one Examination 2019	16.	Find the bearing of P from Q N 1200 Q



	(c)	Find the probability of picking a pupil who does not like matooke only	y. (2 marks)
22.	3kg o 500m 24 ord	gendo went to the supermarket and bought the following items. If sugar at sh. 3400 per kg I of milk at sh. 3600 per litre anges at sh. 800 for every 30 oranges I beans at sh. 5600 Find the total cost of the above items	(4 marks)
	(b)	If he paid sh. 21600 for all the items after a discount was offered, worldiscount	k out the (1mark)
23.		a certain number was first increased by 20% and later on decreased by became 3600. Find the original number	25%, it (3 marks)
	(b)	By selling a watch at sh. 14,400, Joan made a loss of 4%. How much to buy the watch?	money did he (2marks)

24. (a) The capacity of the figure below is 1.5 litres.



(b) Find the length \overline{BC}

(2marks)

(c) Calculate its total surface area

(2 marks)

(2marks)

25. The average mass of five children is 35kg three of them weigh 32kg, 38kg and 34kg respectively. If the remaining two children have equal mass, how heavy is each (3marks)

26.	(a)	The price of a cock is sh. 30,000 less than the price of	of a turkey. The price of a duck
		is sh. 70,000 more than the price of a turkey. David	bought 2 turkeys, 5 cocks and a
		duck and paid sh. 240,000. Find the cost of a turkey.	(4 marks)

(b) Solve
$$3x - (7 - x) = 9$$

(2 marks)

- 27. Tinkamanyire left Kampala driving his car at an average speed of 40km/hr for 2 hrs to Kiboga. He rested for one hour at Kiboga and then continued to Hoima at an average speed of 50km/hr for another 2 hrs. He then travelled back to Kampala at a constant speed of 60km/hr.
 - (a) Calculate the distance he covered for the first part of the journey. (2marks)

(b) Work out his average speed for the whole journey.

(3marks)

28.	Using a ruler, a sharp pencil and a pa	r of compasses only, construct a parallelogram
	BCDE such that $\langle B = 135^{\circ}, BC = 7c^{\circ}$	n and CD = 4cm. Drop a perpendicular line from D
	to meet BC at K.	(4 marks)

(b) Measure \overline{DK}

(1 mark)

29. Find the value of m

(a) $4 \div 7 = m \pmod{12}$

(2 marks)

(b) A teacher had some pencil. When he shared them equally among 4 pencils, one pencil remained. When she shared them equally among 7 pupils, three pencils remained. How many pencils were they altogether? (3marks)

30. (a) The scale of a map is 1:8,000,000 a road on a map is 5cm. What is the length of the road in kilometres? (3marks)

31. Given that Y = 2x+1, complete the table below.

(5 marks)

X	2		5		9
Y		7		13	

32. (a) Komuhangi has a fence around her rectangular garden 225m by 165m. The fencing pole is 3 metres apart. How much money will be needed to fence the garden if each pole costs sh. 2,500? (3 marks)

(b) The perimeter of an athletics track shown below is 400m. If the diameter of each of thesemi circular ends is 63cm. Find the length of the straight stretch AB $(take\pi \ as \frac{22}{7})$ (3 marks)

