NAMAGUNGA PRIMARY BOARDING SCHOOL

P.6 REVISION WORK – SET ONE

(MATHEMATICS; 2020)

Time allowed: ***2 Hours 30 Minutes***

EMIS NO.			PERSONAL NO.					

Index No;

Candidate's Name:……

Candidate's Signature:……

District:……

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FOR EXAMINERS' USE ONLY

Read the following instructions carefully:

1. This paper has **two** Sections: **A** and **B**.
2. Section **A** has **20** questions (40 marks)
3. Section **B** has **12** questions (60 marks).
4. Answer **ALL** questions: All answers to both Sections **A** and **B** must be written in spaces provided in full sentences.
5. All answers must be written using a blue or black ballpoint pen or ink but not pencil. All work done in pencil except diagrams will **NOT** be marked.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read, may lead to loss marks.

FOR EXAMINERS' USE ONLY		
QN. NO.	**MARK**	**SIGN**
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
28 - 30		
31 - 32		
TOTAL		

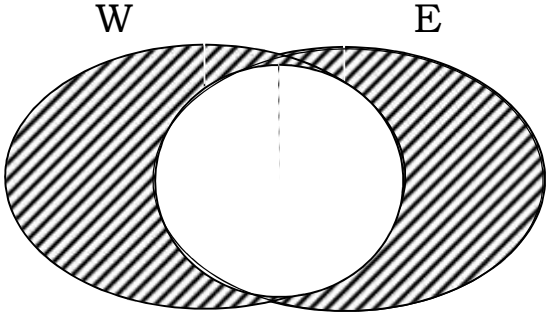
SECTION A: (4O MARKS)

1) Work out: 264 ÷ 8

2) Write fourteen thousand forty nine in figures.

3) Simplify : $\frac{5}{6} \div 1\frac{1}{3}$

4) Describe the shaded part on the Venn diagram below.



5) Double the next number in the sequence below:

2, 3 , 5 , 7 _____

6) Given that k = -***4.*** Find the value of y in the equation: y + k = 19.

7) With the help of a sharp pencil, ruler and a pair of compasses only, construct an angle of 45^0 in the space provided below.

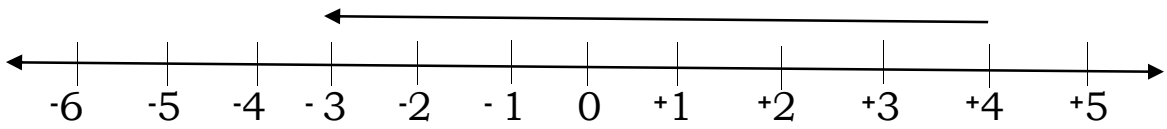
8) Lunkuse walked for 360 minutes to cover a certain distance. Express the duration taken in hours.

9) Workout :

Kg	g
17	410
- 5	600

10) The cost of a dozen of counter books is sh. 144,000. Find the cost of 5 similar counter books.

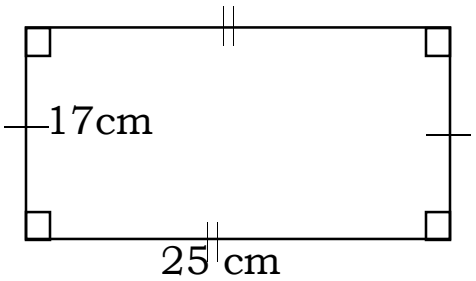
11) Identify the integer that is denoted by the arrow on the number line.



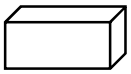
12) Express $\frac{3}{5}$ as a decimal.

13) Juma is XLIX years old. Write his age in Hindu-Arabic numerals.

14) Kitonsa moved round the figure below twice. What distance did he cover?



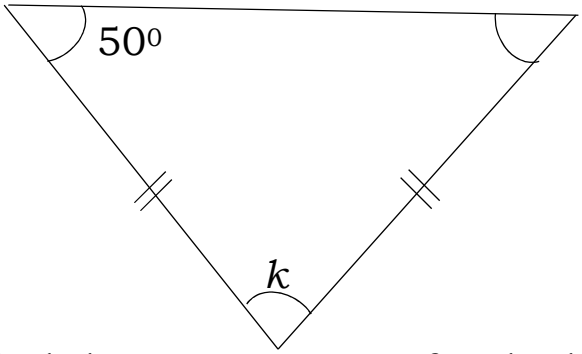
15) Write in short form: 5 – 6 + 9

16) If  represents 100 boxes, draw a picto graph for 600 boxes.

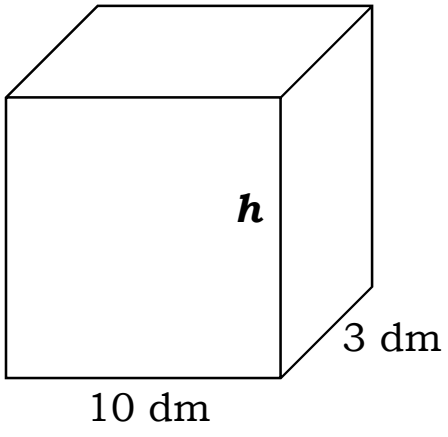
17) List and find the number of subsets in set K.
K = {man}

18) Convert 89_{ten} to base four.

19) Calculate the size of the marked angle in the triangle below.



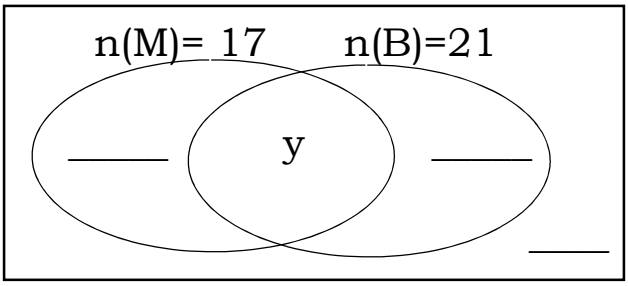
20) Find the measurement for the height of the rectangular prism below if its volume is 180 dm^3.



SECTION B – (60 MARKS)

21) In a village of 30 farmers, 21 grow beans (B), 17 grow maize (M), y farmers grow both beans and maize and 2 farmers grow none of the two types of crops.

(a) Complete the Venn diagram below: ***(3 marks)***



(b) Find the number of farmers who grow both crops. ***(2 marks)***

(c) Find the probability of picking a farmer who grows only one type of crop. ***(2 marks)***

22) (a) Simplify: $^{2}/_{5} + 1\,^{1}/_{3}$ of $^{3}/_{15}$ ***(3 marks)***

(b) How many tins of $\frac{1}{5}$ litres of milk can be obtained from $\frac{4}{5}$ litres? ***(2 marks)***

23) The sum of three natural numbers is 39. Given that the middle number is $k + 1$,

(a) Work out the actual size of those numbers. ***(4 marks)***

(b) Find the range of the numbers got in (a) above.

(1 mark)

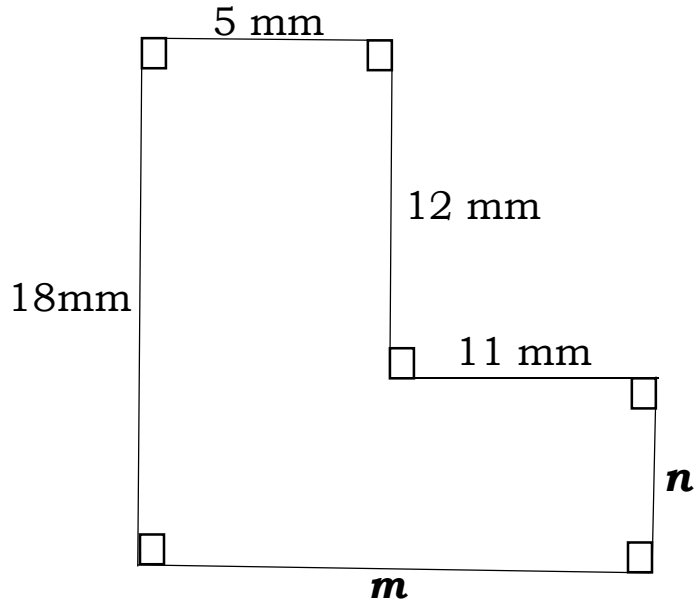
24) Kamulegeya went to the market and bought these items below.

- 4 books for sh. 2,000 each.
- $1\frac{1}{3}$ kg of rice for sh. 3,000 a kg.
- 500g of salt for sh. 2,000 per kg.
- 4 loaves of bread for sh. 16,000.

(a) Calculate his bill. ***(4 marks)***

(b) Supposing he was given 15 notes of sh. 2,000 each, how much was his change? ***(2 marks)***

25) Study the combined figure below and use it to answer the questions about it.



(a) Find the measurement represented by; ***(1mark each)***

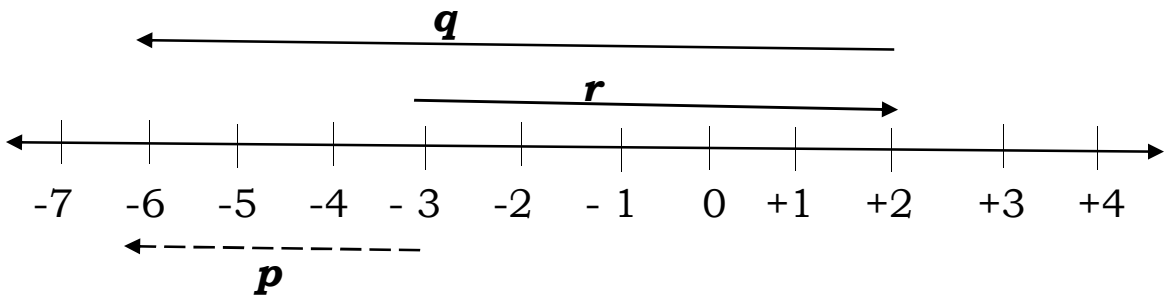
(i) ***m*** (ii) ***n***

(b) Work out;

(i) perimeter of the given figure. ***(2 mark each)***

(ii) area of the shape.

26) Given the number line below, use it to answer the questions that follow.



(a) Write the integer represented by arrows;

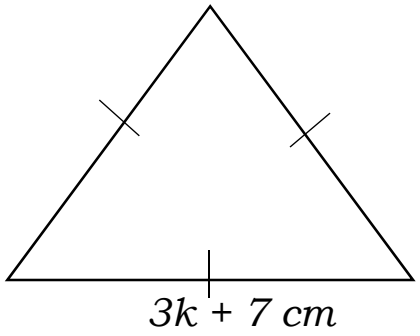
(1 mark each)

(i) ***p*** = _____ (ii) ***q*** = _____ (iii) ***r*** = _____

(b) Write the mathematical sentence shown on the number line above: ***(2 marks)***

27) (a) Calculate the perimeter of the triangle below:

(2 marks)



(b) Henry had ***h*** hens and sold 19 of them. He remained with 91 hens. Find the value of ***h***. ***(2 marks)***

28)(a) Using a pair of compasses, ruler and a sharp pencil, construct a rectangle SWRM, where line SW = 8 cm and line WR = 6 cm. ***(4 marks)***

(b) Measure the length of its diagonal SR. ***(1 mark)***

29) Given digits 4 , 5 , 3 , 7

(a)Form the largest numeral and smallest numeral using the digits above. ***(2 marks)***

(b) Using the least numeral formed, workout the difference between the value of 4 and the place value of 7. ***(3 marks)***

30) Alex travelled from Lira to Kampala covering a distance of 210 km. He started his journey at 6:00 a.m. and reached Kampala at 11:15 a.m.

(a) Calculate the total time he spent travelling in hours.

(2 marks)

(b) Work out the speed at which he was travelling.

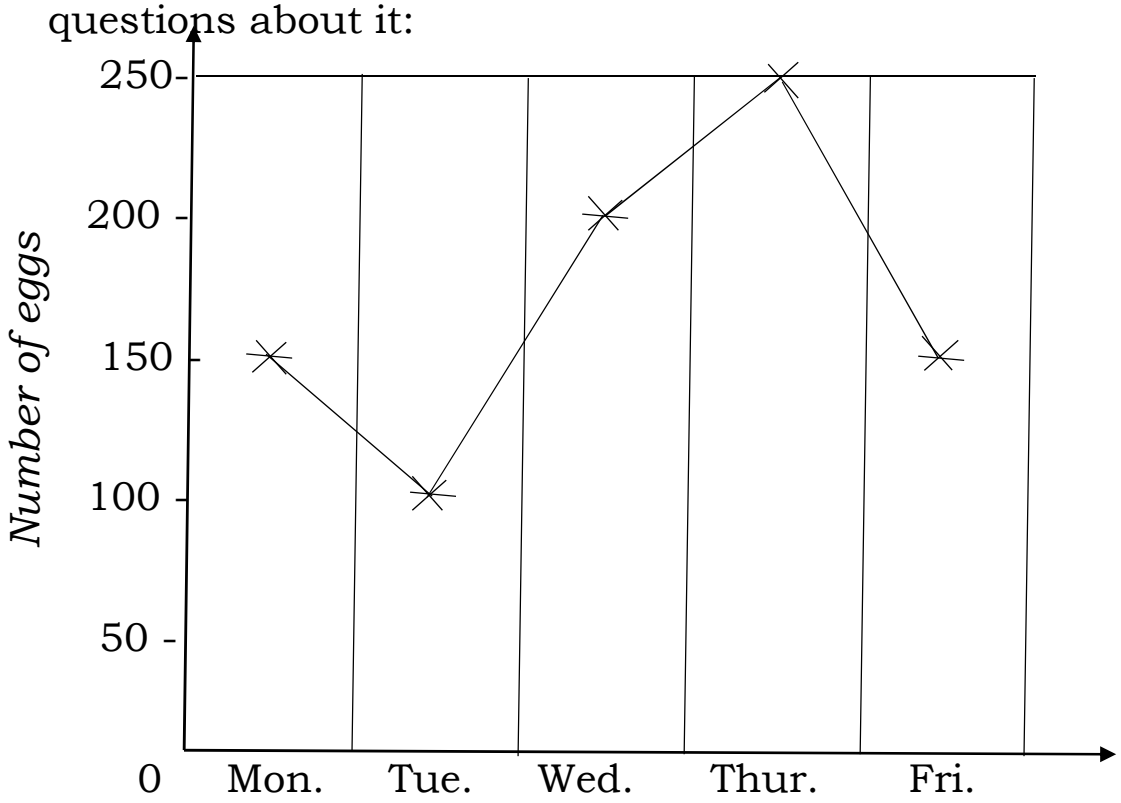
(2 marks)

31)(a) Convert 800 ml to litres. ***(2 marks)***

(b) The base area of a rectangular tank is 60 m^2 and its height is 4 m. Find the volume of the tank. ***(2 marks)***

(c) Ronald is 4 metres tall and Mulani is 2 metres taller than Ronald. Find their total height. ***(2 marks)***

32) The graph below shows the number of eggs sold in Mr. Katiko's farm in a week, study it and us it to answer the questions about it:



(a) On which day was the least number of eggs sold?

(1 mark)

(b) Which days had the same quantity of eggs sold?

(1 mark)

(c) Which day showed the biggest decline in the sales?

(1 mark)

(d) Calculate the average number of eggs sold. ***(2 marks)***