ROCKFORD JUNIOR SCHOOL

NAMADHI MAYUGE DISTRICT
ASSESSMENT EXAMS 2023
MATHEMATICS

Name: .....

Index No: ..... Sign: .....

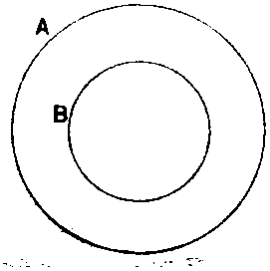
SECTION A (40mks)

1. Workout; $22x3$.

2. Change 0.45 tones to kilograms.

3. Find the sum of the next two numbers in the sequence. 0, 1, 5, 14, 30, _____,_____

4. In the diagram below, shade AnB.



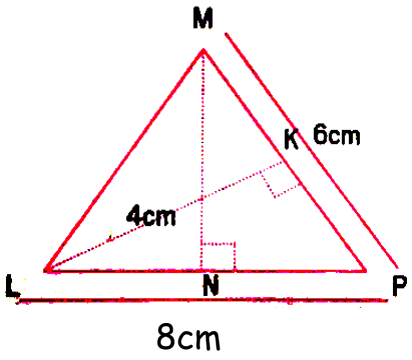
5. The mean of 4, 6, k and 7 is 5. Find the value of k

6. The temperature of day rose from -5^0C to 25^oC.What was the rise in temperature?

7. Write 144 in Roman numerals.

8. The area of a square chalkboard is $100cm^2$.Fid the perimeter of the chalkboard.

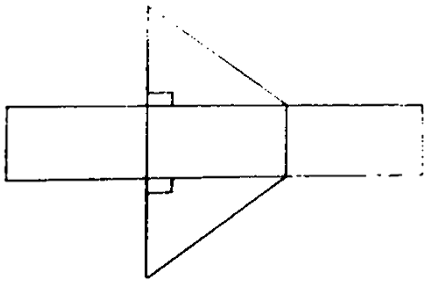
9. Find the length of MN in the diagram below.



10. Okodoi had a bundle of shs 5,000 each numbered consecutively from TM476048 to TM476147. How much money did he have?

11. Round off 46.798 to the nearest hundredths.

12. Given that FR= $\{2_1, 2_2, 3_1, 3_2\}$ find the value of r.



13. Name the shape represented by the net below.

14. Solve; $4 - 2w < 10$.

15. Odiambo's salary was increased by 30%. What is the new salary if the old salary was shs120,000?

16. Mr. Mubiru,s car broke down after covering $\frac{2}{3}$ of the journey. If he was left with 120km to complete the remaining part of journey, how long was the journey?

17. Work out; $104_{five} - 22_{five}$.

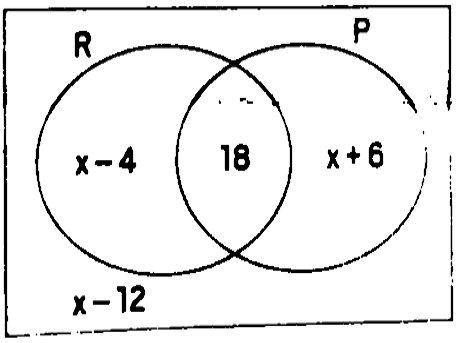
18. A healthy parade in Katakwi P/S lasts for 40minutes and ends at 8:30am. At what time does it start?

19. How many half litres bottles of water can be obtained from a 20litre jerrycan?

20. Six men can dig a pit latrine in 8days. How many more men are needed to dig the same pit latrine in 3 days?

SECTION B (60 Marks)

21. The Venn diagram below shows the number of pupils with red pens and pencils. Study it and use to answer the following questions.



Give that 3x-14 had Red pens.

i) Find the value of x

ii) How many pupils had pencils?

22. Simplify:

a) $\frac{0.8\ x\ 0.25}{0.18\ x\ 0.27}$

b) $\frac{1}{3}\ x\ \frac{1}{2}\ \div \frac{1}{4}$

23. Musoke went to the market and bought the following items as shown in the table below.

(a) Complete the table below

ITEM	**QNT**	**UNITY PRICE**	**TOTAL COST**
Milk	3litreS	Shs1,500 per little	_____
Sugar	2kg	_____per kg	Shs8,000
Bread	___	Shs 4,500 per loaf	Shs9,000
Tea leaves	$\frac{1}{2}$kg	Shs 3000 per kg	_____
TOTAL			

b) If he was given change of sh.2000, how much money did he have at the beginning?

24. The digits 5,0 and 9 are used to form a 3 digit numerals

a) Write down all the numerals that can be formed.

b) Find the difference between the largest and the smallest numeral formed.

25. A motorist travelled from town A to town B at 40km/hr for $1\frac{1}{2}$hrs. He rested at B for 30minand continued to town Cat 40km/hr. for 3hrs. He returned to town A from Town C at a steady speed of 60km/hr.
    a) How far is town C from town A?

    b) Calculate its average speed for the whole journey.

26. A tank was $\frac{5}{7}$ full. When 220 litres were draw from it, the tank remained $\frac{2}{5}$ full. Find the full capacity of the tank in litres.

27. In a mathematics test given to P.7 class, the mark, frequency and total marks are shown in the table below.

Marks	**Frequency**	**Total Marks**
8	6	----------
5	---------	45
_	15	90
7	8	----------
9	----------	45

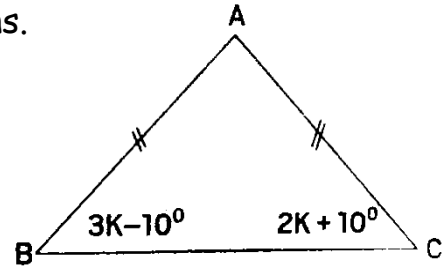
a) Complete the table below.

b) How many pupils did the test?

c) What is the modal mark?

28. A mother is years old. Her daughter is 15years will the mother be twice the daughter age?

29. The figure below shows an isosceles triangle ABC Use it to answer the follow questions.

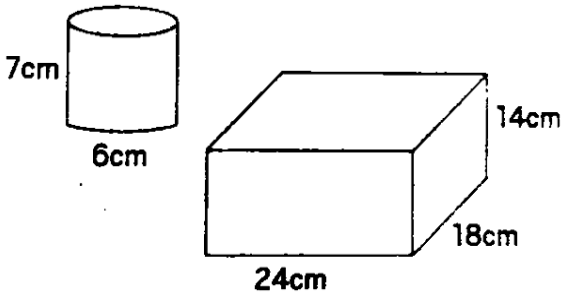


a) Find the value of k.

b) Find the size of angle BAC.

30. The sum of four consecutive odd numbers is 96. If largest number is k, find the numbers.

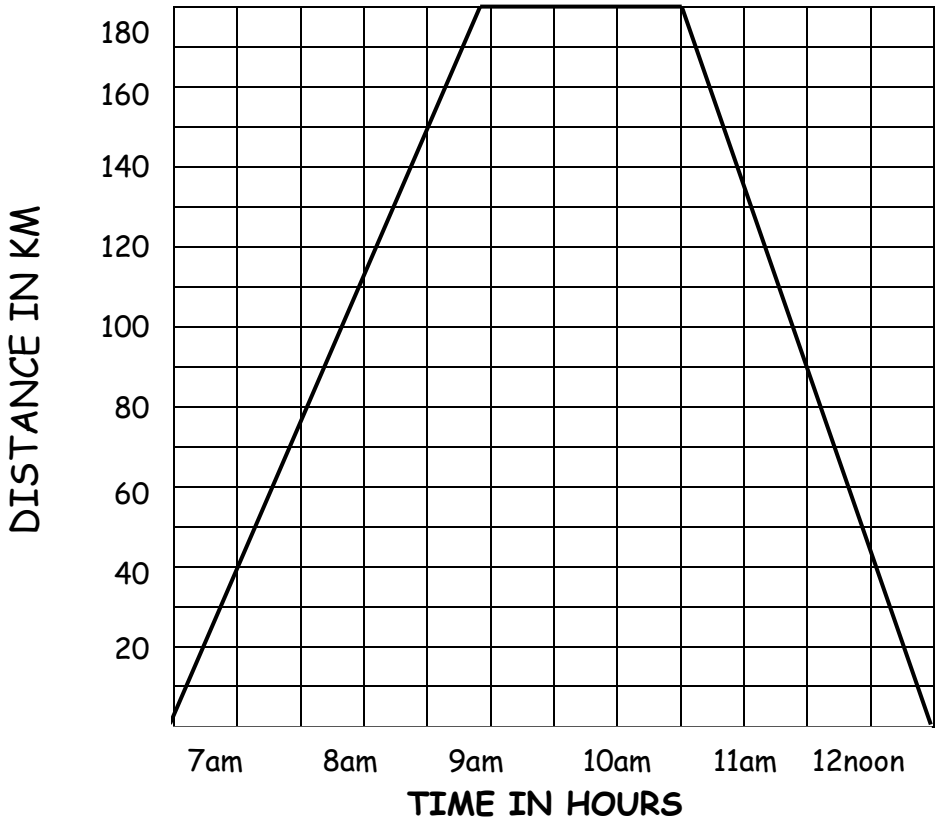
31. In a paint factory, cylindrical paint tins of diameter 6cm and height 7cm are packed in the box measuring 24cm by 18cm and height 14cm as shown below.



a) Find the maximum number of cylindrical paint tins that can be packed in the big box.

b) Calculate the amount of space that will be left empty after picking the maximum number of cylindrical tins.

32. A lorry traveled from town A to Town Band then returned to town A. The graph below shows the journey. Study it and use it to answer the following questions.



Questions

a) How far is town B from town A?

b) How long did the lorry take to travel from town A to town B?

c) How long did the lorry rest at town B?

d) What was the average speed of the lorry for the whole journey?

END