RAAYAT ISLAMIC NURSERY & PRIMARY SCHOOL

P.O BOX 8296 KAMPALA MAKINDYE II SALAMA ROAD

PRIMARY SIX END OF YEAR EXAMINATION 2022

MATHEMATICS

TIME ALLOWED

2hrs: 30min

NAME: ....

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

The paper has two sections A and B

Section A, has 20 shot questions (40 marks)

Section B, has 12 questions (60 marks)

Answer **ALL** sections A and B

All answers **MUST** be written using a **Blue** or **Black ball-pointed** pen and ink.

Un-necessary alternation of work may lead to loss of marks

Any handwriting that cannot be easily read may lead to loss of marks.

Do **Not** fill any thing in the boxes shown."FOR EXERMINERS' USE ONLY"
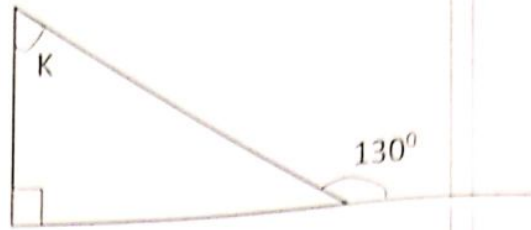
SECTION A

1. Work out 27 x 3.

2. Write 65,043 in words.

3. Given that set K= {ab, c, d, f} find n(K)

4. Using a ruler and a pencil only draw a trapezium.

5. Write XLIV in Hindu Arabic numerals.

6. Find the value of K.

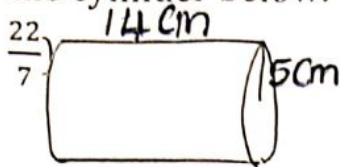7. Express 3046 in expanded form using power of ten.

8. Solve $2K - 6 = 10$.

9. Find the next two numbers in the sequence.

2, 3, 5, 7, _____ , _____

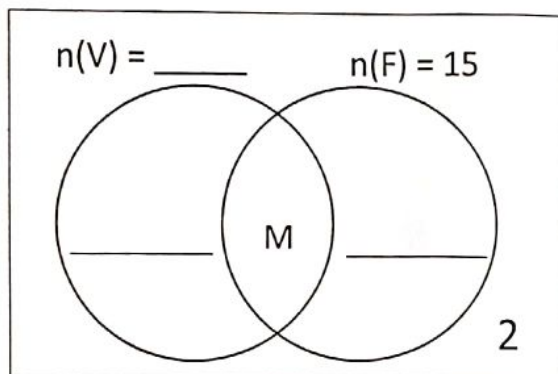19. Given that m=8 and n=6.
Find the value of $\sqrt{mn} + 1$

20. Calculate the volume of the cylinder below. (use π = $\frac{22}{7}$

14 cm
5cm

SECTION B

21. In a class of 30 pupils, 20 play volleyball (V), 15 play football (F), M play both volleyball and football and 2 do not play any of the two games.
a) Use the information above to complete the venn diagram.

n(V) = _____   n(F) = 15
_____   M   _____
2

b) Find the number of pupils who play only one game.
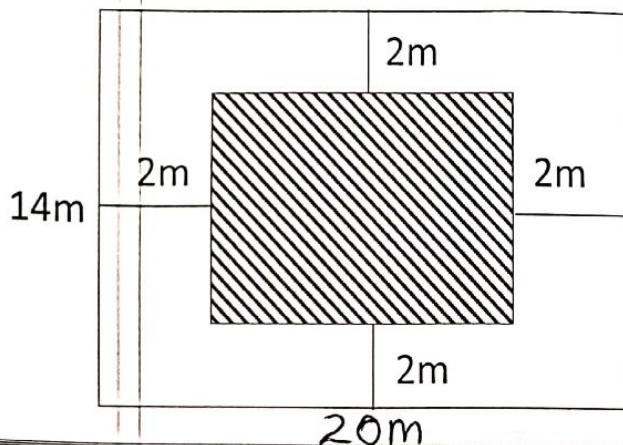
22. Use 2, 0, 3 to form the smallest numeral.

b) Form the largest numeral.

c) Find the sum of the smallest and the largest numerals formed.

23. Using a ruler, a pencil and a pair of compasses only. Construct a triangle ABC, where AB= 6cm angle BAC = 120⁰ and AC = 3cm.

b) Measure length BC.

24. The figure below shows a sitting room with a carpet leaving a space of 2 meters on either sides of the wall.

2m

2m   2m

14m

2m

20m

a) What is the actual length and width of the carpet?
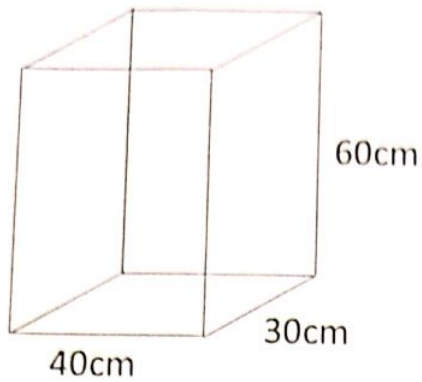
b) Calculate the area of the covered part.

25. Write 9:30pm in to 24 hours clock system.

b) Change 17:15 hours to 12 hours clock system.

c) How many seconds are in 1hour?

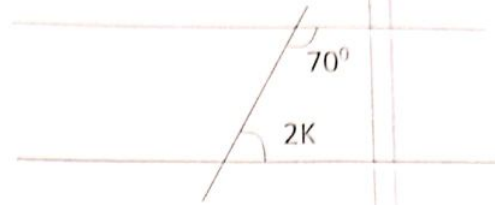**26.** Study the figure below and answer the questions.

60cm

30cm

40cm
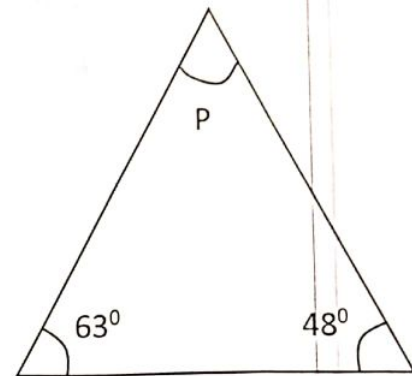
a) Work out its volume.

b) Calculate the capacity.

c) How many vertices has the above figure.

27. (a) Find the value of unknown in the figure.

70°

2K

b)

P

63°   48°

c) What is the supplementary angle of 100°?

28. A company supplied text books to three schools F, G and H in the ratio of 4:6:5 respectively. If school F received 72 books;

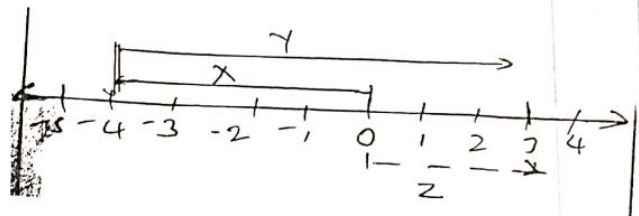a) Find how many text books supplied by the company.

b) Calculate the number of books school H got.

29. The sum of three consecutive counting numbers is 78. Find the largest number.

30. Work out $\dfrac{0.45 \times 0.03}{0.03 \times 0.5}$

b) Write 124.4 in words.

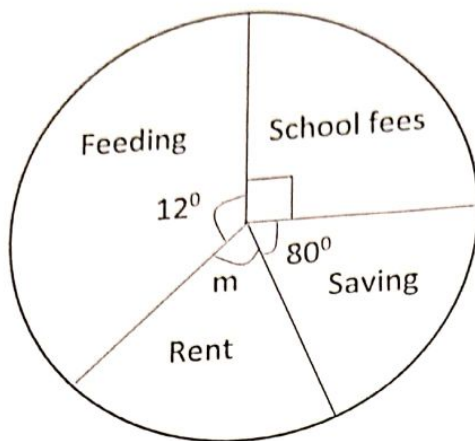31. Study the number line below and answer the questions below.

a) Find the value of;

X = _____

Y = _____

Z = _____

b) Write the mathematical addition statement for the number line above.

32.   The pie chart below shows how Amoman spends her monthly salary. Use it to answer questions that follow.

a) Find the value of M.

b) If she spends shs 70.000 on school fees, how much is the woman's salary.