KAMPALA QUALITY PRIMARY SCHOOL

INTERNAL MOCK EXAMINATION 2023

MATHEMATICS FOR P.7

Time allowed: 2hours 30 minutes

Index Number: | | | | | | | | | |

Candidate's Name: .....

Candidate's Signature: .....

EMIS NUMBER: .....

District Name: .....

FOR EXAMINER'S USE ONLY

Read the following instructions carefully:

1. The paper has two section: A and B.
2. Section A has 20 short- answer 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 the Spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary change of work may lead to loss of marks.
7. Any handwriting that can not easily be read may lead to loss of marks.
8. Do not fill any thing in the boxes. They are for examiner's use.

FOR EXAMINER'S USE ONLY		
Qn No	MARKS	Ex's Sig.
1 – 10		
11-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A

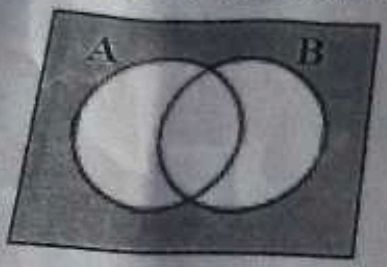
1. Subtract: $14 - 9 =$

2. Write 194 in Roman numerals

3. Write 24,670 in words

4. The cost of 4 pens is sh. 32,000. What the cost of 1½ dozen?

5. Describe the unshaded part.



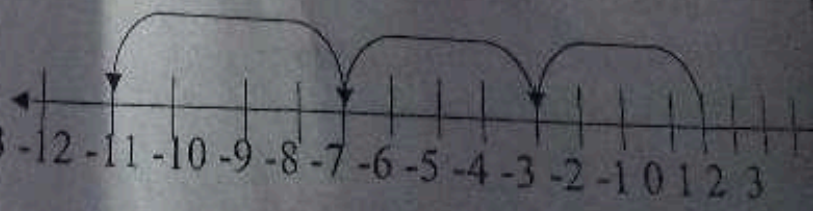
6. Find the value of x: $2^x \times 8 = 1$

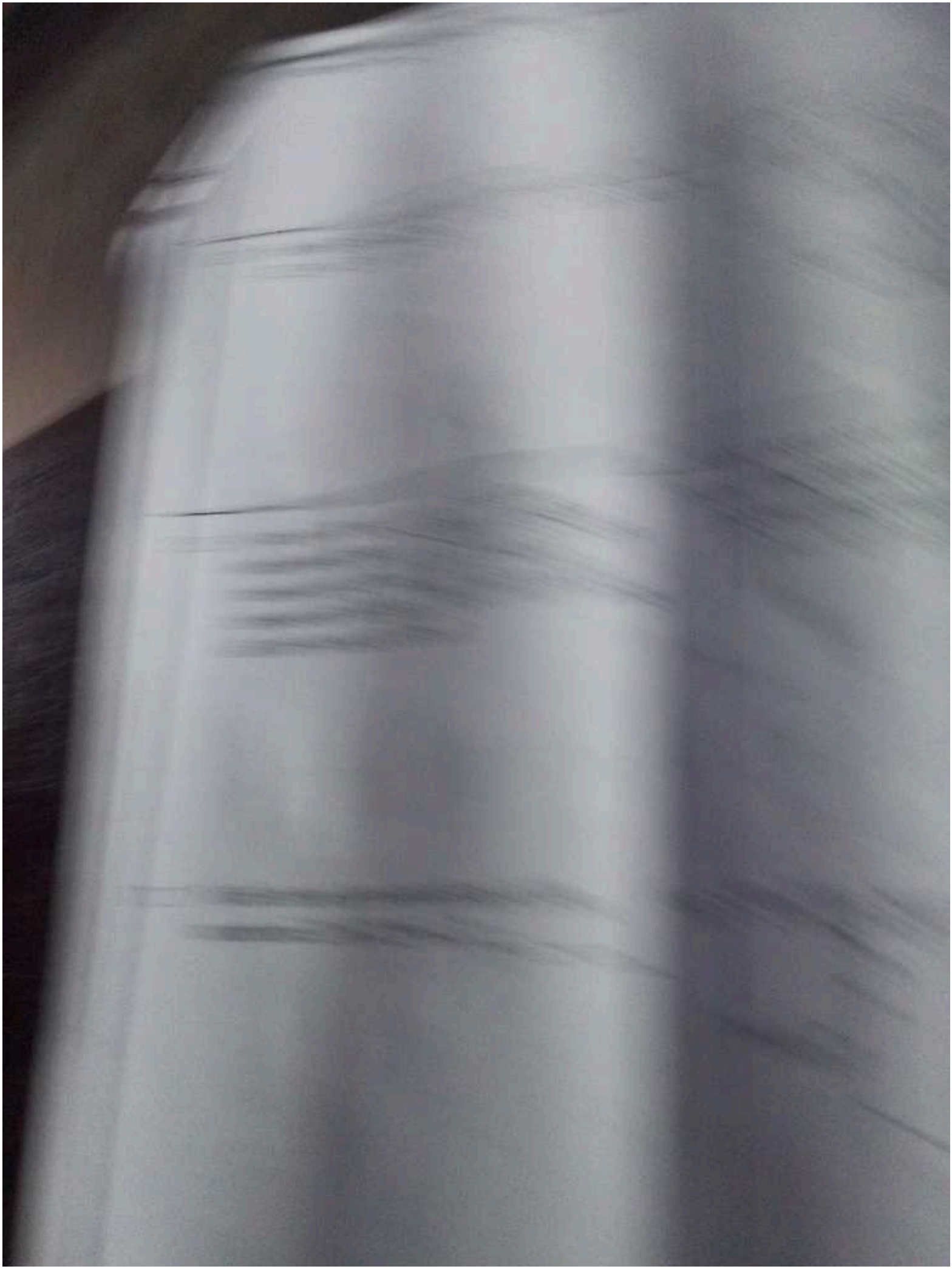
7. A factory processes 800 litres of pineapple juice everyday. If it packs the juice in packets of 0.25litres, how many packets does it process everyday

8. 12 technicians can paint a school building in 10 days. How long will 15 technicians take?

Prime factorise 24 and write your answer in set notation form.

10 Write a mathematical statement





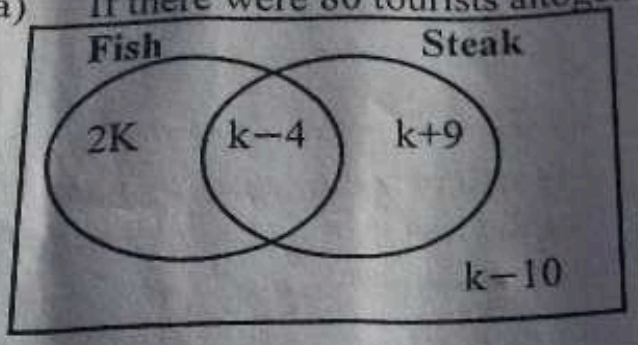
19. The average mass of three pupils is 32kg and the average mass of two pupils is 29kg. What is the massof the third pupil?

20. Change 12:30a.m. to 24 hr clock syste

SECTION B

1. The Venn diagram below shows what the tourist who visited Bwindi liked. Study it and use the information given to answer the questions that follow.

(a) If there were 80 tourists altogether, find the value of k. (3 marks)



(b) Find the number of tourists who liked either fish or steak. (2 marks)

(a) Write 0.00406 in scientific natation. (2 mark

(b) Calculate the quotient of the values of 3 and 5 in 342.0125 (2 marks)

(c) Write the expanded numeral $(4 \times 10^{4}) + (5 \times 10^{2}) + (3 \times 10^{-1}) + (7 \times 10^{-2})$ (2 marks)

23. (a) The interior angles of a quadrilateral are $(p+10)^{0}$, $(3p+20)^{0}$, $4p^{0}$ and $(2p-30)^{0}$. Find the value of P (2 marks)

(b) The number of right angles of a regular polygon is 8. Calculate the interior angle sum of the polygon. (3marks)

24. Solve: $\frac{t-2}{2} + \frac{2(t+1)}{3} = 4$

(2 marks)

(b) Given that $a = 2$ and $b = -2$, find the value of $\frac{3a - b}{a}$

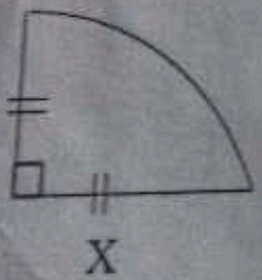
25. Omoro's salary was increased by 10% to sh. 132,000.

(a) What was his salary before the increment? (3 marks)

(b) Reduce his new salary by 12% (1 mark)

26. (a) Given that the perimeter of a quadrant below is 50cm. Find the value of radius

(3 mark)



(b) 22 poles were erected at an interval of 4m to make a circular hut. Calculate the area of the hut.
(3 marks)

27. (a) $\frac{2.4}{0.6} + \frac{2.7}{0.9}$
(2 marks)

(b) A bucket full of paint weighs 18.23kg. The empty bucket weighs 4.23kg. Find th weight of the bucket when its $\frac{3}{7}$ full.
(3 marks)

28. (a) Construct a parallelogram ABCD in which AB = 7cm, BC = 5cm and diagonal AC = 10cm (4 marks)

(b) Measure < BAC (1 mark)

29. Atwine went to the market and bought the following items.

2 kg of meat at sh. 20,000 a kg
20 oranges at sh. 4000 for every 5 oranges
1 ½ kg of salt at sh. 3000 a kg
750ml of milk at sh, 6000 a litre
2 bunches of matooke at sh. 22,000

If he had two notes of fifty thousand shillings. Calculate his balance. (5 mar

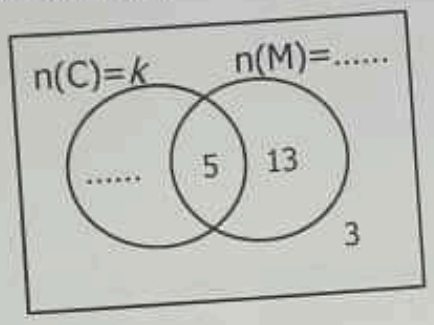
SECTION B: 60 MARKS

*Answer **all** questions in this section*

Marks for each question are indicated in brackets

21. In a group of farmers who grow cassava (C) and maize (M), 13 farmers grow maize only, 5 farmers grow both cassava and maize, k farmers grow cassava while 3 farmers grow none of the two crops.

(a) Complete the Venn diagram below using the information given. *(02 marks)*

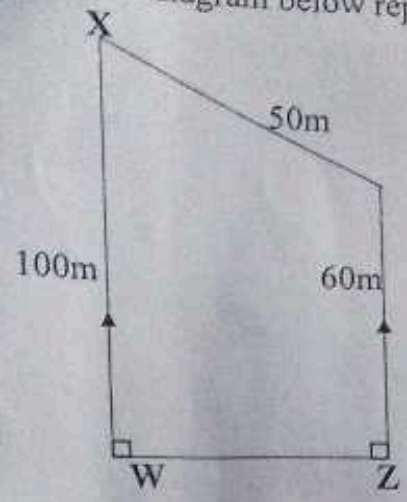


(b) If 20 farmers don't grow maize, how many farmers grow cassava? *(02 marks)*

(c)How many farmers are in the group altogether? *(02 marks)*

Turn Over

(a) The diagram below represents Sarah's garden, Find the area of the garden. (3 marks)



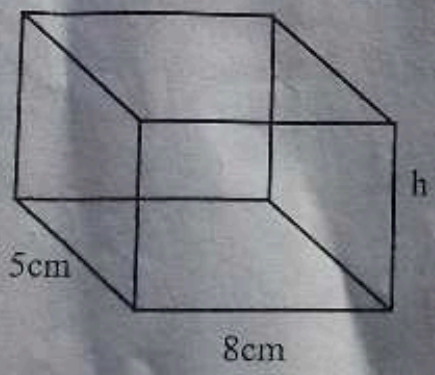
(b) If Sarah is to make four strands of fencing wire around the garden. Find the length of the wire needed. (2 marks)

31. (a) Convert 50m/sec to km/hr (2 marks)

(b) A motorist covered a distance at a speed of 54km/hr in 4 ½ hr. How long will the motorist take to cover the same distance at a speed of 81km/hr (3 marks)

32. The total surface area of the cuboid below is $236cm^2$. Find the value of h

(a) Calculate the value of h. (3 marks)



(b) Calculate its capacity. (2 marks)