

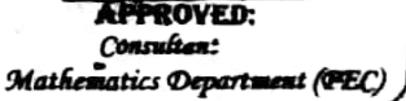
The PRIME EXAMINATIONS 2023 P.7 PRE - PLE TRIAL SET I MATHEMATICS

i ille allowed 2 hours 3	minutes		
INDEX NO: Random No. Personal N	No.	To clas	p up your
	3	Prin	ne Learn ************************************
Candidate's Name:			112
Candidate's Signature:	•••••••••	• • • • • • • • • • • • • • • • • • • •	
School Random No	••••••••	•••••••	•••••••
School Random No.	•••••	••••••••	
District ID:			
READ THE FOLLOWING INSTRUCTIONS CAREFULLY	FOR EXA	MINERS' IIS	EONIV
Do not write your school or district name anywhere	QUESTION	XAMINERS' USE ONLY ON MARKS	
on this paper.	NUMBER 1-5	ATTAINED	LVIIIL
2. This paper has two sections: A and B Section A has	6 - 10		
20 questions and section B has 12 questions. The	11 - 15		
paper has 9 printed pages.	16 - 20		
3. Answer all questions. All the working for both sections A and B must be shown in the spaces	21 - 22		
provided.	23 - 24		
4. All working must be done using a blue or black ball	25 - 26		
point pen or ink. Any work done in pencil other than		-	
graphs and diagrams will not be marked. 5. No calculators are allowed in the examination room.	27 - 28		
6. Unnecessary changes in your work and handwriting	29 - 30		
that cannot easily be read may lead to loss of marks.	31 - 32		
7. Do not fill anything in the table indicated "For	TOTAL		

PUBLISHERS OF:-

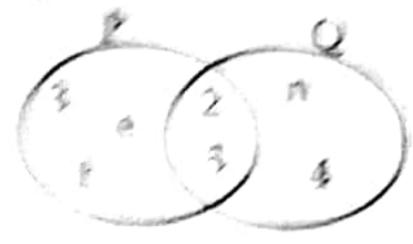
question paper.

Examiners' use only", and those boxes inside the



Write in words: 19036

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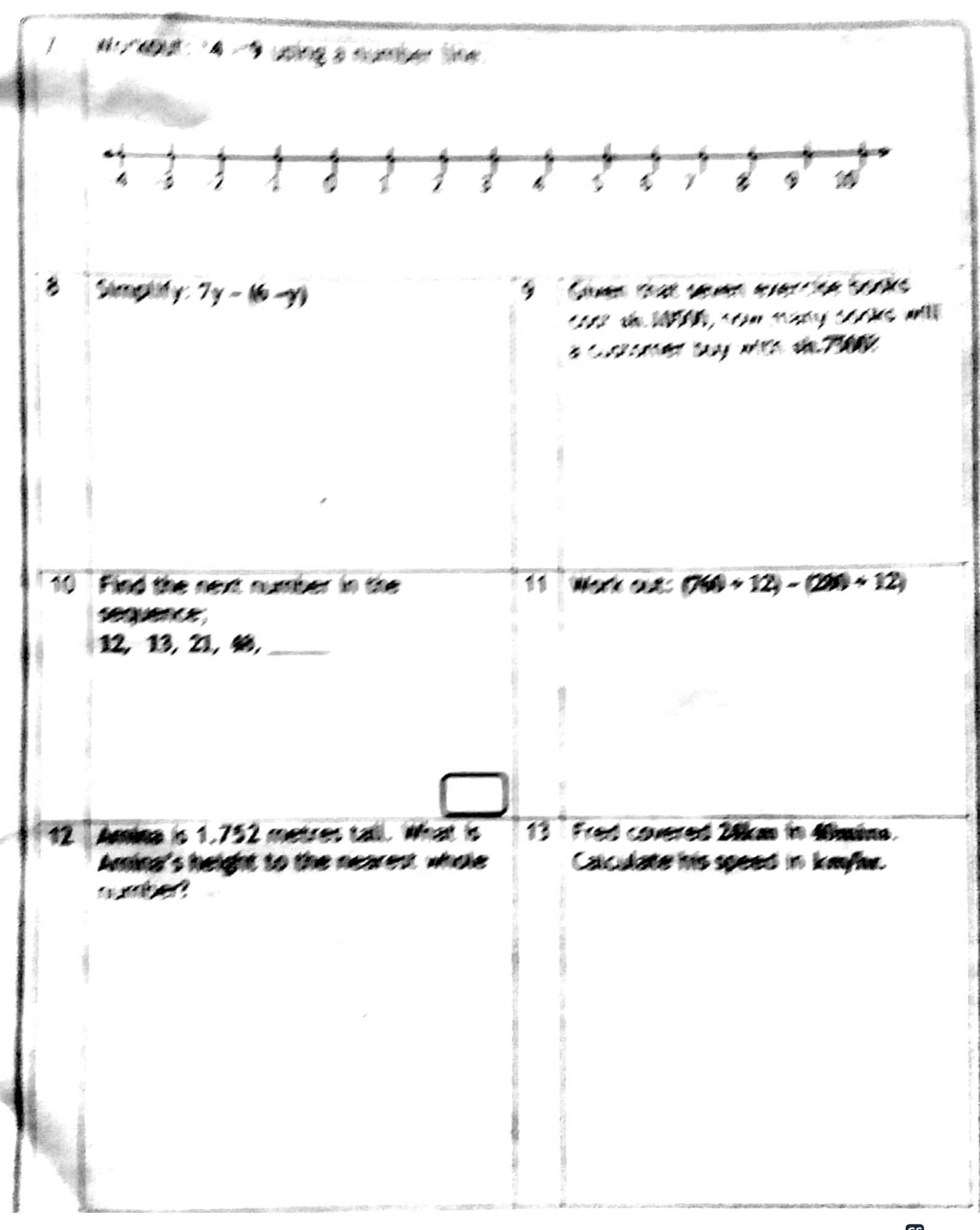


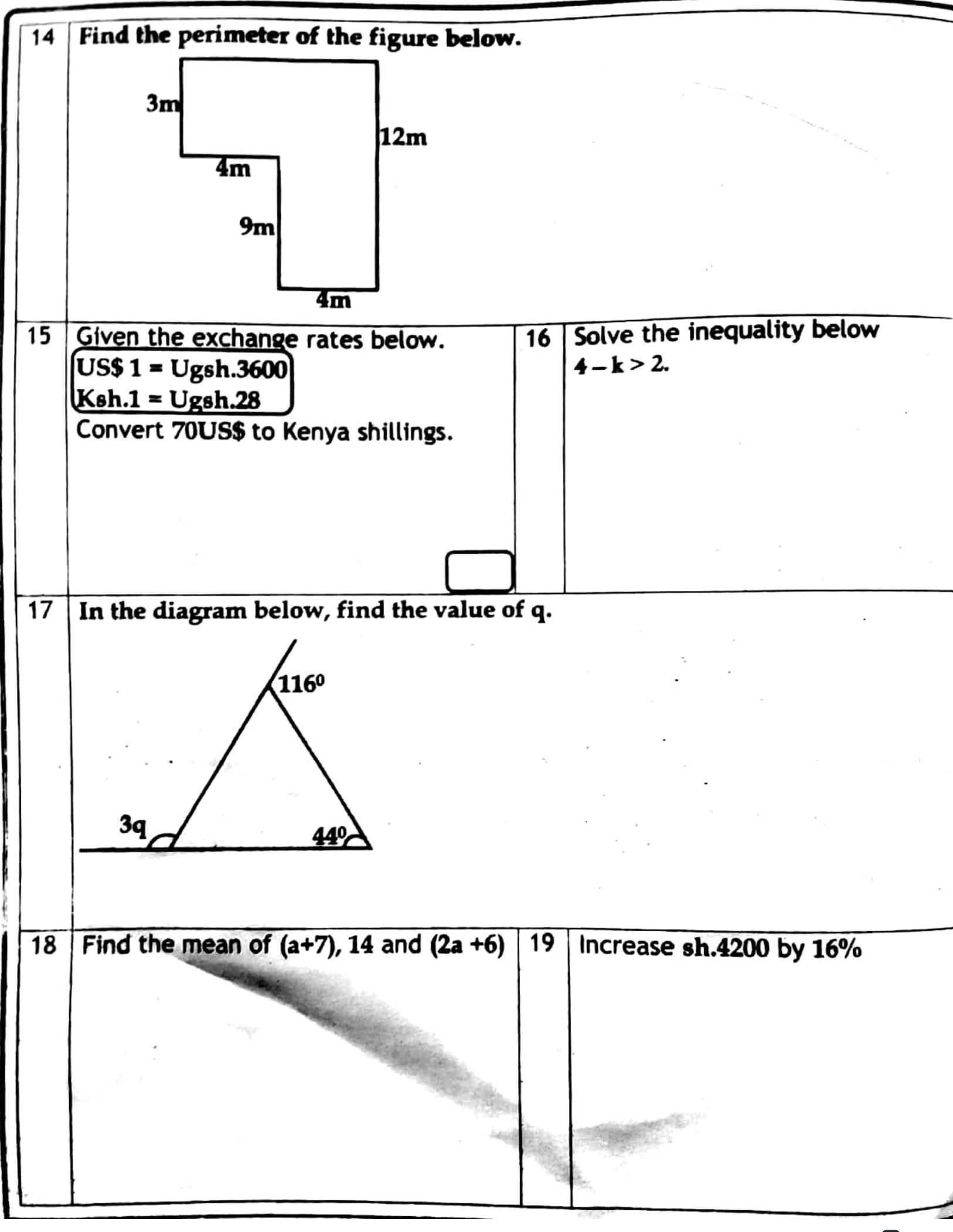
There are 29 pupils in a certain class. Draw tallies to represent this number.

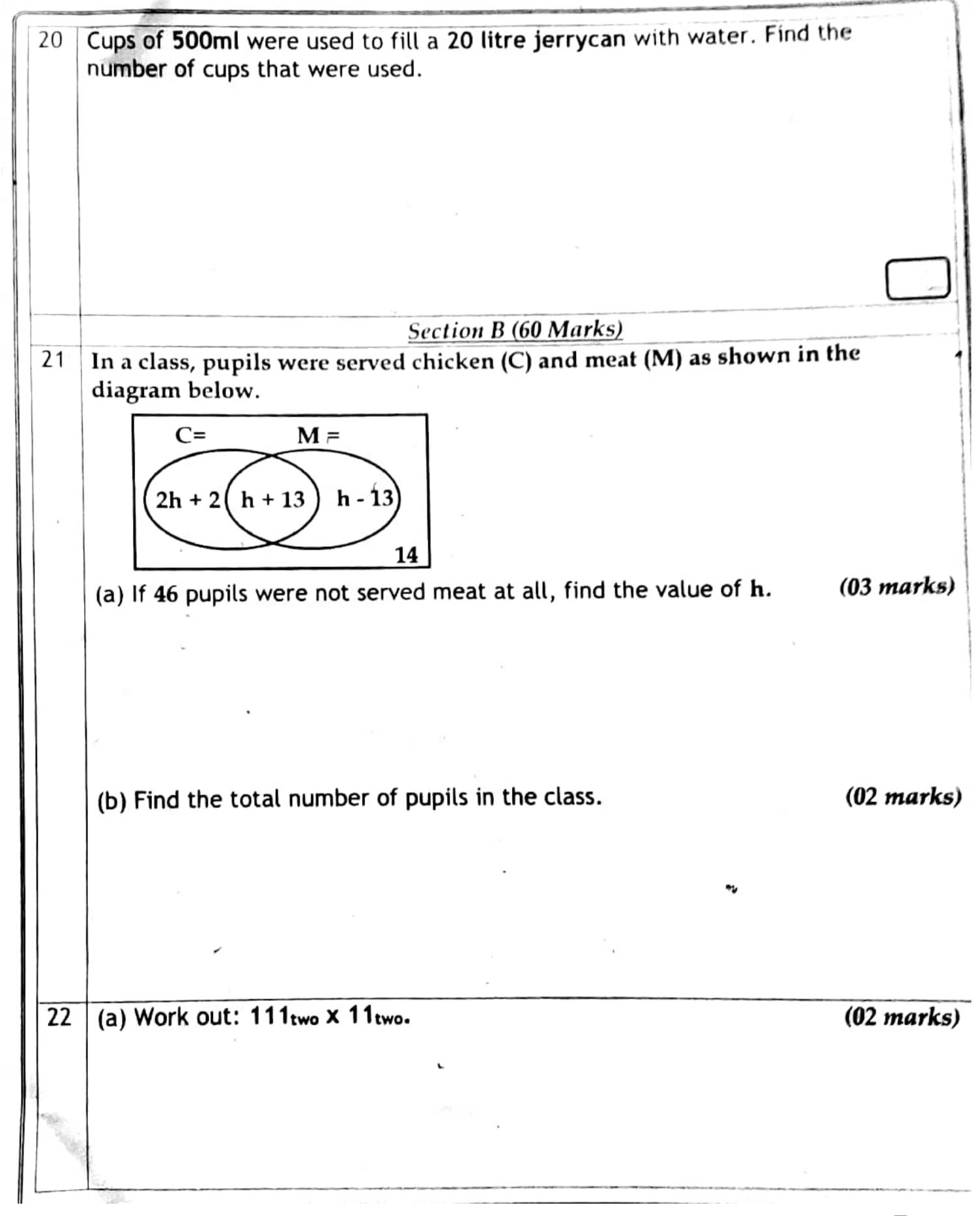
Below a the morning time at which a bus starts its journey. Express the time



where and a pair of compasses only, to draw a line parallel to line \overline{AB}







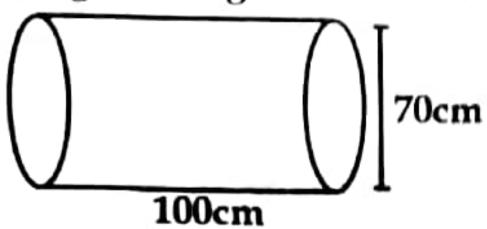
	(b) Change 201 _{four} to base five.	(03 marks)
23	(a) Express 0.4242as a vulgar fraction in its simplest form.	(02 marks)
	(b) Workout: 0.8×0.24 0.7 + 0.9	(03 marks)
		Las INTATY subore
24	Using a ruler and a pair of compasses only, construct a rhom \overline{UV} = 6cm and angle UVW = 60°.	(04 marks)
		:-
		(01 1-)
(i) Measure the length of diagonal VX.	(01mark)
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A mother had sh.30000 and used some to buy the following items. 2 kg of sugar at sh.4800 per kg. 1500ml of milk at sh.2000 a litre. $\frac{1}{2}$ kg of rice at 5600 each kg. 2 packets of biscuits at sh.6000. (05 marks) (a) Calculate the mother's balance. The sum of the lengths of all the edges of the prism below is 90cm. 26 13cm 12cm (03 marks) (a) Find the value of x. (b) Calculate the volume of the prism. (02 marks)

The figure below shows a cylindrical metallic drum. The drum is to be cut open along the height to form a rectangular sheet.



(a) Find the length of the rectangular sheet formed. ($\pi = \frac{22}{7}$) (03 marks)

(b) Calculate the area of the sheet formed. (02 marks)

The exterior angle of a regular polygon is a fifth the interior angle.

(a) Name the polygon.

(03 marks)

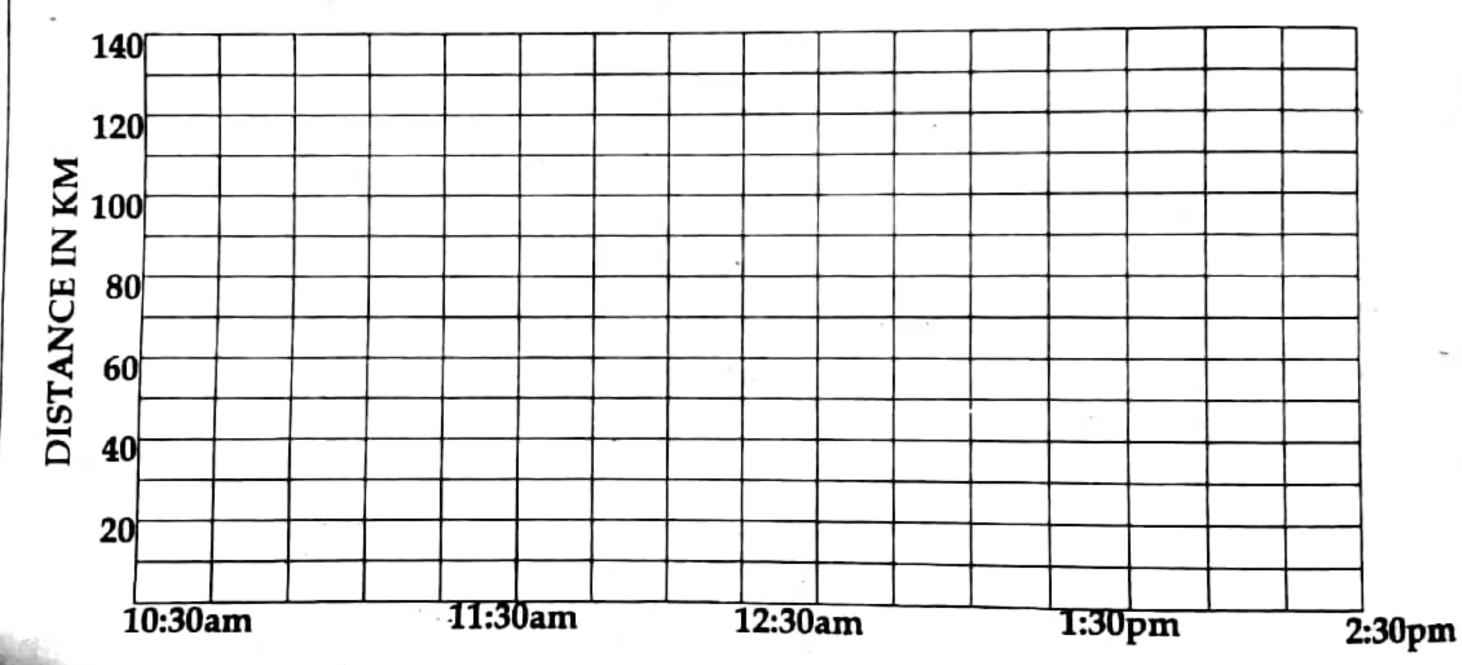
(b) Calculate its interior angle sum.		(02 marks)
Kabali is 23 years old and Maswali is 44 year (a) How many years ago was Maswali four ti	s old. mes as old as Kabali?	(03 marks)
(b) How old was Maswali then?		(02 marks)
Three girls Pretty, Sharifah and Betty share respectively. (a) If Sharifah and Betty got sh.180,000, ho		y share
respectively.		y share
respectively. (a) If Sharifah and Betty got sh.180,000, ho		y share
respectively. (a) If Sharifah and Betty got sh.180,000, ho		y share (03 marks)
respectively. (a) If Sharifah and Betty got sh.180,000, ho altogether?		

The mean age of six boys is 12 years. When two other boys join the group, the mean age is 13 years. The seventh boy is 6 years younger than the eighth boy.

(05marks)

A motorist left town M at 10:30am moving at a speed of 35km/hr for 2 hrs. He rested for 30 minutes and then continued at 40km/hr for $1\frac{1}{2}$ hours to town N.

(a) Represent the motorist's journey on the graph below. (03 marks)



TIME IN HOURS.

(b) Calculate the motorists' average speed for the whole journey. (02 marks)



Revision Tip.

Master simple methods and use them regularly.