



SUREKEY EDUCATION SERVICES
PRIMARY SEVEN SUPER SERIES
2025
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.	Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

District ID:

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Read the following instructions carefully:

1. Do not forget to write your **school** and **district name** on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **20** questions and Section **B** has **12** questions. The paper has **16 printed pages** altogether
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball 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.
6. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated: **"For Examiners' Use only"** and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn.No.	MARKS	EXR'S NO.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

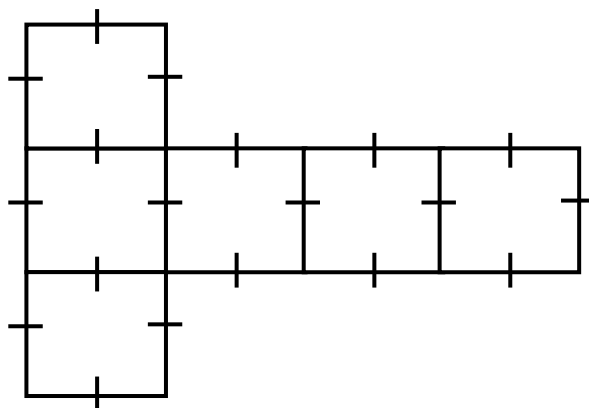
SECTION A: 40 MARKS

Answer **all** questions in this Section

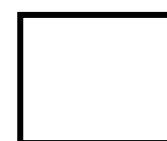
Questions **1** to **20** carry two marks each

1. Workout: $69 - 23$
2. Write "Four hundred seventeen" in Roman Numerals.
3. Given that $n(Z) = 14$, $n(Z \cap G) = 6$ and $n(G) = 11$. Find $n(Z \cup G)$.
4. Solve for n : $2n + 17 = 5 + 5n$.

5. The volume of the figure formed from the net below is 125m^3 .



Find the length of one of its sides.



6. A worker's salary reduced from Sh.120,000 to Sh.90,000. Find the ratio in which the salary reduced.
7. Given that twelve men take 8 hours to pack soda in a factory.
How many more men are needed to pack the same soda in 6 hours?

8. Simplify: $-3 - -8$

9. Express 60cm as a percentage of 3 metres.

10. A Pool table team scored points as shown on the table below.

Mon	Tue	Wed	Thu	Fri	Sat
7	9	12	17	24	

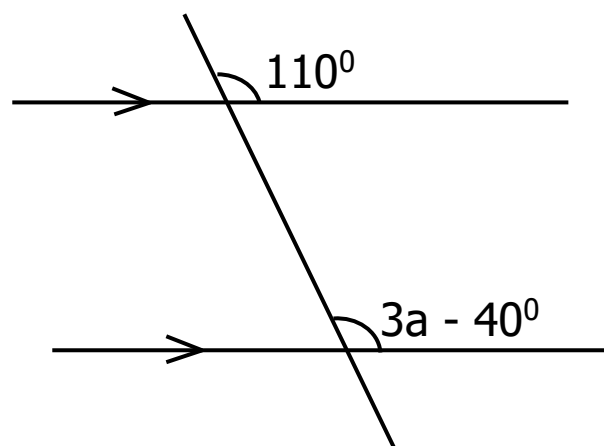
How many points did the team score on Saturday, if the sequence was the same?

11. Simplify: $\frac{9}{15} \div \frac{3}{5}$

12. Convert 400 US dollars to Uganda Shillings given that 1 US dollar is equivalent to Ugsh.3,650.

13. Write in short: $(5 \times 10^3) + (8 \times 10^0) + (4 \times 10^{-2})$

14. In the diagram below, find the value of a in degrees.



15. Subtract $2x - 2$ from $3x - 4$.

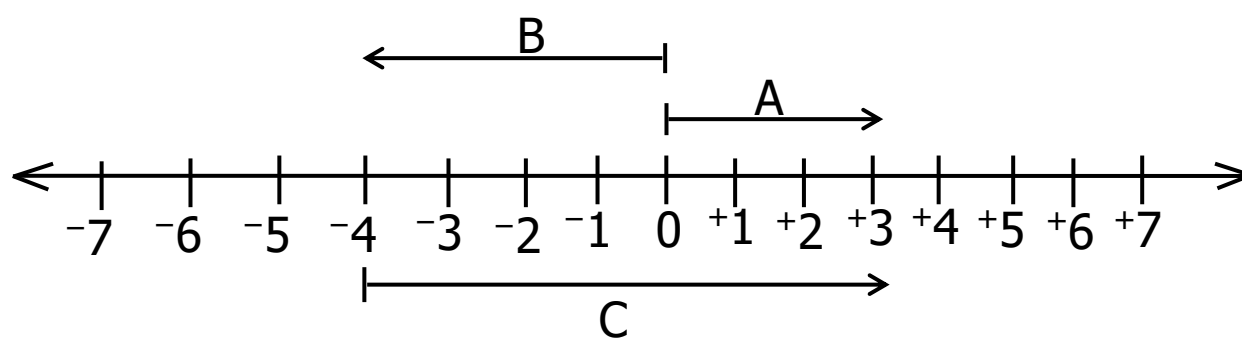


16. A train left station **X** at 11 42 hours and reached station **Z** after $4\frac{1}{2}$ hours.
Express the time the train reached station **Z** in 24-hour clock system.

17. Given that; $4 - 5 = 6$ (finite **k**). Find the value of **k**.

18. Using a ruler, a pencil and a pair of compasses only, construct an angle of 150° in the space provided below.

19. Write a mathematical sentence represented by the arrows on the numberline below.



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20. Mummy Samantha had $\frac{1}{2}$ of a bar of soap and used $\frac{1}{4}$ of it to wash clothes
What fraction did she remain with?



SECTION B: 60 MARKS

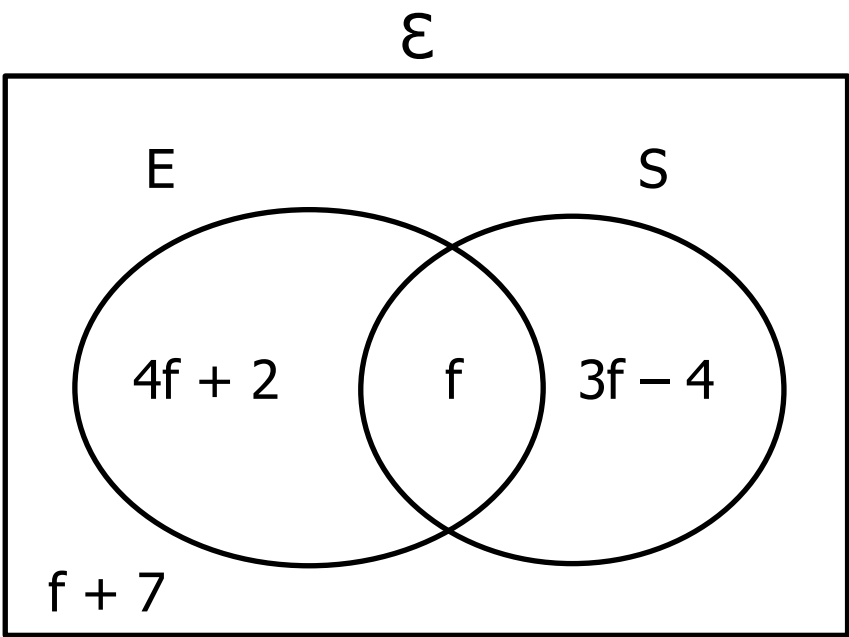
Answer all questions in this section

Marks for each question are indicated in brackets.

21. The sum of three consecutive multiples of 3 is 81. If the first one is **$b+1$** ;
(a) Find the value of **b** . (03 Marks)

- (b) Find the three multiples. (02 Marks)

22. The Venn diagram below shows the number of pupils who like English (E), Social Studies (S) and Mathematics (M). All the pupils like Mathematics. Study and use it to answer the questions that follow.



(a) Given that 15 pupils like only one subject, find the value of f . (02 Marks)

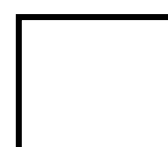
(b) Workout the total number of pupils in the class. (03 Marks)



23. Miriam has twice as many books as Martha, and Jollyne has 6 books less than Martha. The three children have 54 books altogether.
How many books does Mariam have than Jollyne? (04 Marks)

24. A rectangular wall with width of 6m and length of 95m was to be painted. Each tin that costs Sh.9,200 can paint 19m^2 of the wall.
- (a) Find the amount of money that is needed to buy all tins that can paint the wall. (03 Marks)

- (b) If three workers were employed to paint the wall in five days, find the area of the wall which one worker painted in 3 days. (02 Marks)

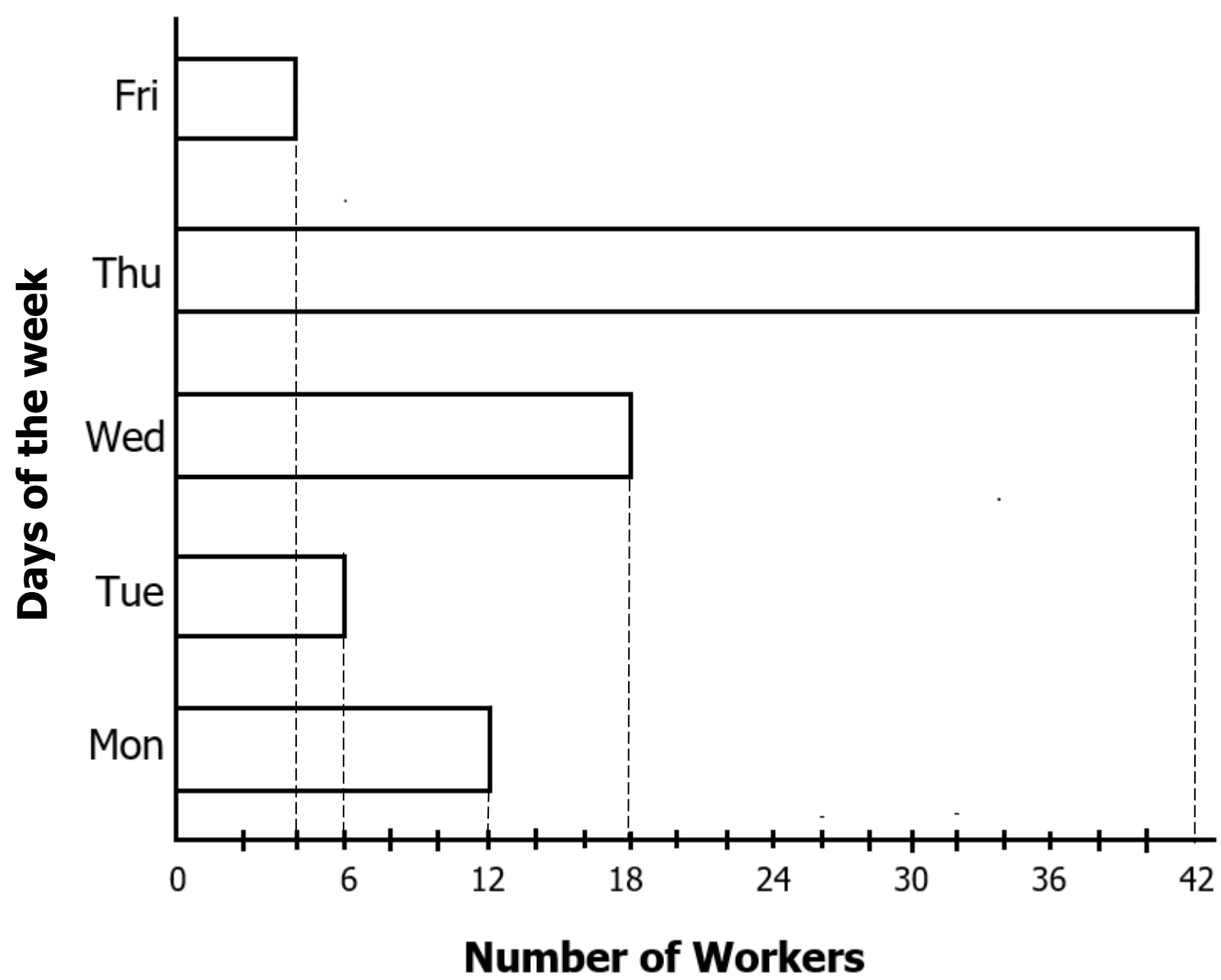


25. In Tursky's Supermarket, the price list for some items is tabulated as seen below. Study and use it to answer the questions that follow.

Items	Quantity	Amount
Sugar	97kg	Ugsh.436,500
Salt	100kg	Ugsh.160,000
Beans	850 grams	Ugsh.3,230

- (a) Tom had five notes of Sh.5,000 and bought $2\frac{1}{2}$ kg of beans.
Find his change. (03 Marks)
- (b) Mr.Dan bought sugar worth Sh.13,500 and salt worth Sh.2,400.
Find the quantity of salt and sugar he bought. (03 Marks)

26. The graph below represents the number of staff who did not work on five days of the week. Given that it was a public holiday on Thursday. Study the graph and answer the questions that follow.



- (a) On which day did they register the highest number of workers present? (01 Mark)
- (b) How many workers did not turn up to work on Monday? (01 Mark)
- (c) Find the average number of workers who were present in the first three days of the week? (03 Marks)



27. Musinguzi uses $\frac{1}{4}$ of his land for growing coffee, $\frac{1}{6}$ of the remaining land for growing food crops and a certain portion for animal rearing.

(a) Find the fraction of land he uses for animal rearing. (03 Marks)

(b) If he uses 75 hectares for animal rearing, find the total area in hectares, Musinguzi has. (02 Marks)

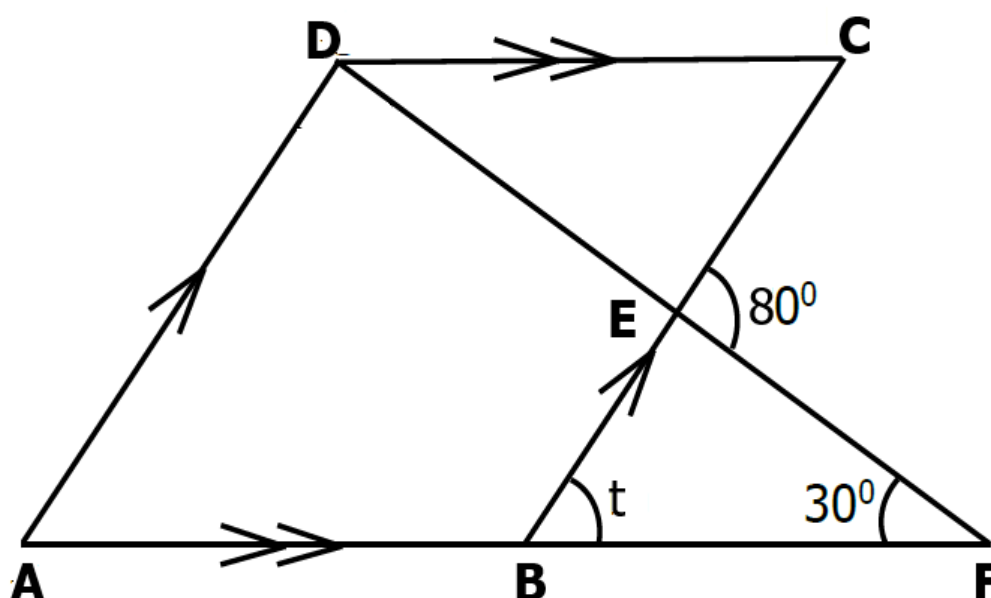


28. (a) Find the Lowest Common Multiple (LCM) of 12 and 18. (02 Marks)

- (b) The least number that can be divided by either 12 or **P** leaving 2 as a remainder is 38. The Greatest Common Factor (GCF) of **P** and 12 is 6. Find the value of P. (03 Marks)



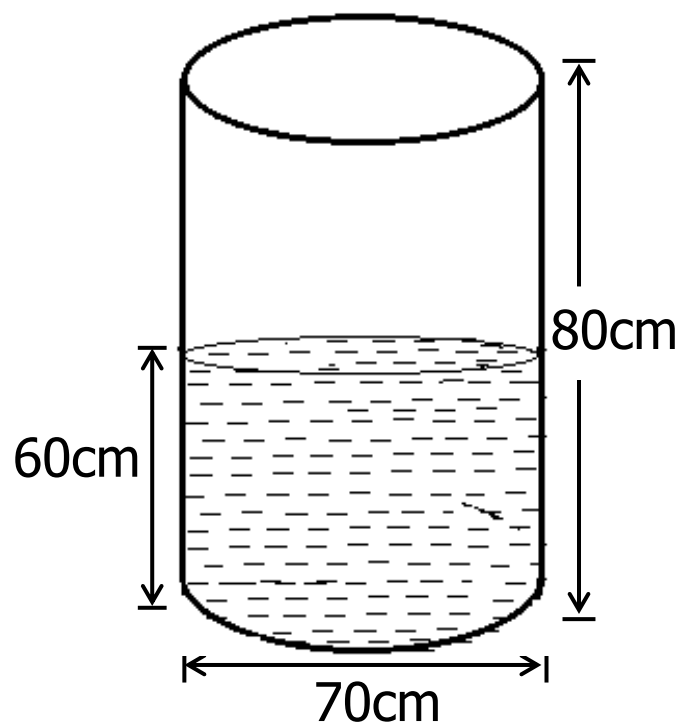
29. In the diagram below, **ABCD** is a parallelogram. **ABF** is a straight line. Angle **BFE** = 30° , and angle **FEC** = 80° . Study the diagram carefully and use it to answer the questions that follow.



- (a) Find the value of t . (02 Marks)

- (b) Workout the size of angle **ADE**. (02 Marks)

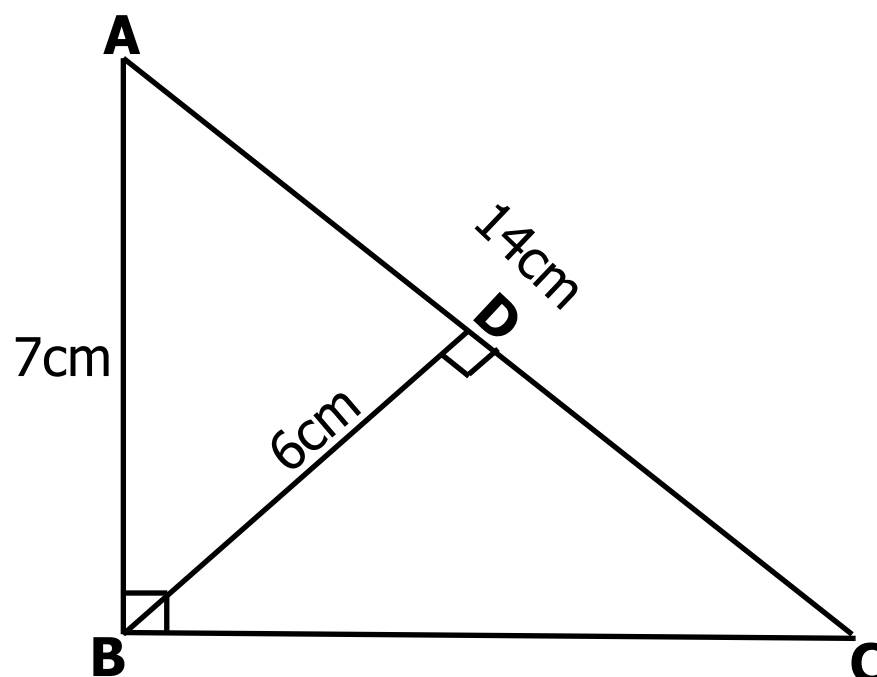
30. The fuel tank below contains some fuel up to a level of 60cm.



(a) How many litres of fuel are in the tank? (Use $\pi = \frac{22}{7}$) (03 Marks)

(b) Find the amount of fuel that must be added in the tank in order to make it full. (03 Marks)

31. In the triangle **ABC** below, line **AB** and **BD** are perpendiculars to **BC** and **AC** respectively. Line **AC** = 14cm, **AB** = 7cm and **BD** = 6cm.



- (a) Find the area of the triangle **ABC**. (02 Marks)

- (b) Workout the length **BC**. (03 Marks)

32. **INSTRUCTIONS:** For Qn.32, you are provided with two Tasks, **1** and **2**. You are supposed to choose and **attempt only one** Task from the two.

TASK 1:

You are provided with a metallic cylindrical drum of diameter 28m and a height of 55m, a sheet metal sheer and a tape measure and you are required to make a rectangular metallic sheet. With the help of a pair of compasses, ruler and a sharp pencil only, construct an accurate diagram to show the rectangular piece of sheet you have made. Use 1cm = 11m.
(05 Marks)

TASK 2:

Mutooro rears 12 different animal types: 5 cows, 4 sheep and some goats. Using a radius of 4cm, draw an accurate Pie-Chart showing the number of Animals Mutooro rears on his farm.
(05 Marks)

