JEMU EDUCATIONAL CONSULT

PRIMARY SEVEN EXAMINATIONS
END OF TERM ii ASSESSMENT- 2024
MATHEMATICS

Time allowed: 2 hours 30 minutes

Name: _____

School: _____

District: _____

Read the following instructions carefully:

1. The paper has two sections: A and B

2. Section A has 20 short 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 alteration of work may lead to loss of marks

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

8. Do not fill anything in the boxes indicated for Examiner's use only.

FOR EXAMINER'S USE ONLY

Qn. No	MARK
1 – 5	
6 – 10	
11 – 15	
16 – 20	
21 – 22	
23 – 24	
25 – 26	
27 – 28	
29 – 30	
31 – 32	
TOTAL	

1. Workout: 95-43

8. Change $\frac{1}{2}$km to metres

2. Write in figures: One thousand, nineteen

9. Find the next number in the sequence:
   21, 20, 17, 12, _____

3. Simplify: $\frac{2}{7} \times \frac{9}{10}$

10. In the diagram below, WZ is parallel to line AB. Find the value of X.

A ——————————— $3x$ ———
W ——————————— $60°$ ———

4. Work out: $10_{two} + 11_{two}$

5. Shade 40% of the following diagram.
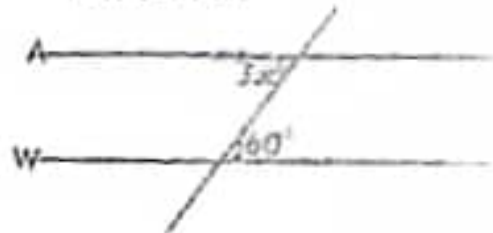
11. The area of a square is $12\frac{1}{4}$ m². Find the length of one of its sides.

6. Work out: -7 - -4

7. Solve: $2x + 7 = 11$

12. A baby slept at 9:30am. If the baby slept for 2 hours and 45 minutes, at what time did the baby wake up?

13. Use the number line below to write the mathematical statement shown.
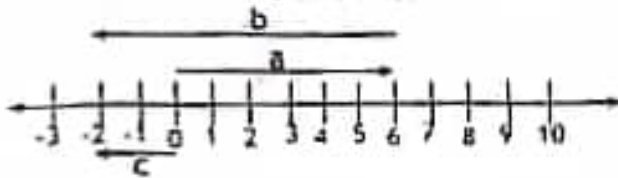
14. Find the perimeter of the shape shown below.
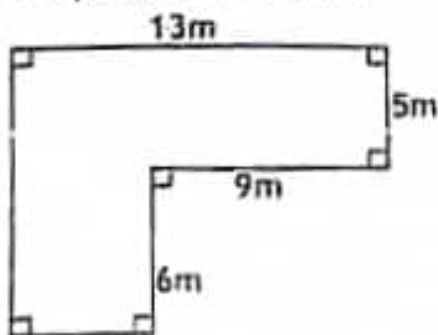
15. Given that set A= {0,4,6,7,9} and B={0,1,2,3,5,7}. Find n(A∩B)'.

16. Using a ruler, a pencil and a pair of compasses only, construct an angle of 135° in the space provided below.

17. A pupil scored the following marks in mathematics test: 46, 71, 30, 65, 40, 50, 69 Find the median mark.

18. Evaluate: $2^3 + 2^3$
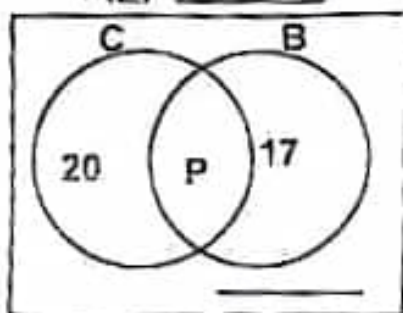
19. Write 2025 in Roman numerals.

20. Given that $a = -6$, $b = 3$, $c = 2$ and $d = 1$, find $\dfrac{ad}{b}$

SECTION B (60 MARKS)

21. At a birthday party attended by 50 guests, 20 ate chicken(C) only, 17 ate beef (B) only, P guest ate both chicken and beef while 3 did not eat any of two dishes.

(a). Use the information given above to complete the venn diagram below. **(02 marks)**

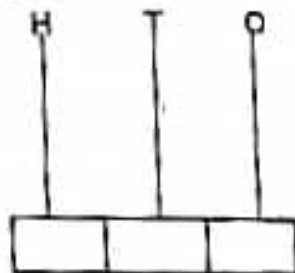$n(\Sigma) = $_____

(b). Find the value of P. (02 m

(c). Find the chance of picking a guest who did not eat beef speech. **(02 marks)**
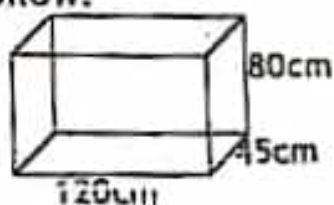
22. (a). Write 9304 in standard form.

?). Draw beads to show the number 605 on the abacus below.

(02 marks)

23. (a). Solve: 3(k+4)=5k-2   (03 Marks)

(b). A man is thrice as old as his son. The difference in their age is 26 years. How old is the son?   (02 marks)

24. Below is a cuboidal tank. Use it to answer the questions that follow.

80cm

45cm

120cm

(a). Calculate the capacity of the tank.   (03 marks)

(b). Work out its total length of all edges of the tank. (02 marks)

25. Jack, Joan and John shared some biscuits in the ratio of 4:5:3 respectively. If Joan got 18 more biscuits than John,
(a). How many biscuits did they share altogether? (03marks)

(b). Express Jack's share as a percentage. (02 marks)

26. The table below shows the points scored by pupils in a spelling bee.

Points	95	70	65	85
No. of pupils	2	4	3	1

(a). How many pupils participated in the competition? (01 mark)

(b). Find the range of the points. (01mark)

(c). How many pupils scored below the mean points? (03 marks)

7. Using a ruler, a pencil and a pair of compasses only, construct a triangle ABC where line AB=6.4cm, angle CAB=60° and angle ABC=45°. (04 marks)

(b). Measure the length BC. (01 mark)

28.(a). Write 8:30pm in a 24 hour clock system. (02 marks)

(b). A motorist took 35 minutes to cover a distance of 56km. calculate the motorist's speed in kilometers per hour. (03 marks)

29. (a). How many 200ml glasses of juice can be filled from a 2.5 container full of juice? (02 marks)

(b). Find the area of the shaded part in the diagram be..

14dm

+30. A village has 2160 people of these, $\frac{3}{4}$ are females and __ of the males are married.
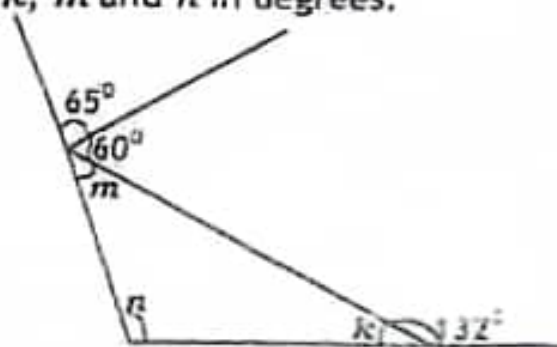
(a). Find the total number of males who are married. (03 marks)

(b). Express the number of the unmarried males as the ratio of the whole village population. (03 marks)

31. A parent went to the market and bought the following items table. Complete the table below correctly. (05 marks)

Item (s)	quantity	Unit cost	Total cost
Beef	4kg	Sh.3,000 perkg	Sh_____
Bread	_____ loaves	Sh. 5,500 a loaf	Sh. 11,000
Cooking oil	$2\frac{1}{2}$litres	Sh_____ per litre	Sh.30,000
Sugar	_____ g	Sh.6,000 perkg	Sh._____
Total expenditure			Sh.97500

32. In the diagram below, find the size of the angles marked k, m and n in degrees. (L

End "Good Luck"