MEVID EXAMINATIONS BOARD

MOCK PREPARATION SET TWO
2025
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random No.						*Personal No.*		

 Candidate's Name…………………………………………………………………………………….

Candidate's signature:……………………………………………………………………………

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: **A** and **B**.
   Section **A** has **20** questions and section **B** has
12 questions.

2. Answer **all** questions. **All** answers to both
   sections **A** and **B** must be written in the
   spaces provided.

3. All answers **must** be written using a **blue** or **black**
   ball point pen or ink. Any work written in pencil
   will **not** be marked.

4. Unnecessary **changes** in your work and handwriting
   that cannot be easily read may lead to **loss of mark**

5. Do not fill anything in the table indicated:
"for examiner's use only" and boxes
   inside the question paper.

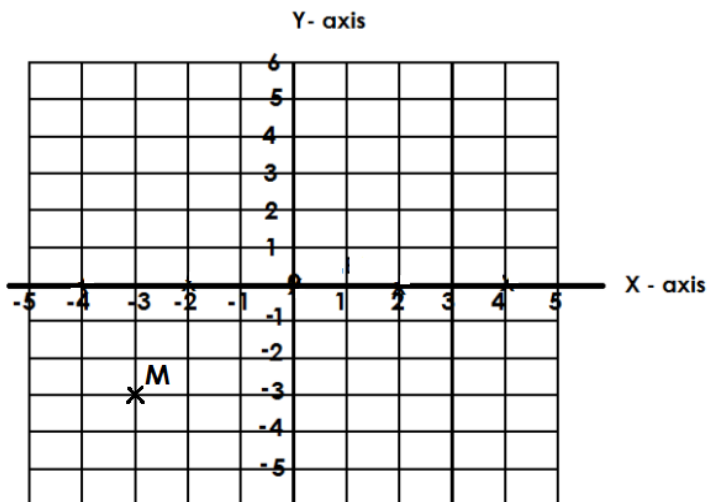| Qn. No	MARK	EXR'S NO.
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A

1. Work out 4 x 6.

2. Describe the unshaded region on the Venn diagram below.

3. Subtract: 1- 0.078

4. Use the coordinates graph below to answer the questions about it.

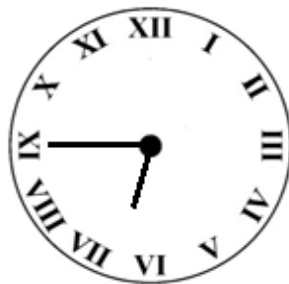a) Write the coordinates for point M.

b) Plot B(-3, 0) on the graph.

5. Complete the statement below;

4.6(67 + 33) = (____ x ____) + (____ x _____)

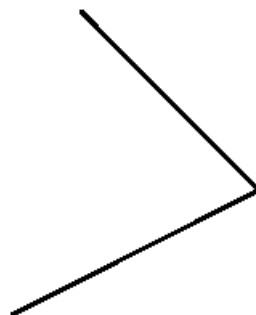6. Given that represents 10 balls, draw pictures to represent 55 balls.

7. A trader had 100 notes of sh. 50000 each arranged consecutively. Find the first note if the last note was AP5738024.

8. The baby woke up at the evening time shown on the clock below. At what time did it go to bed if it spent 90 minutes sleeping?

9. Work out -4 - + 3

10. With the help of a ruler, a pencil and a pair of compasses only, bisect the reflex angle below.

11. What number was expanded to give?

$$(8 \times 10^4) + (3 \times 10^0) + (1 \times 10^2)$$

12. Find the next number in the sequence below.
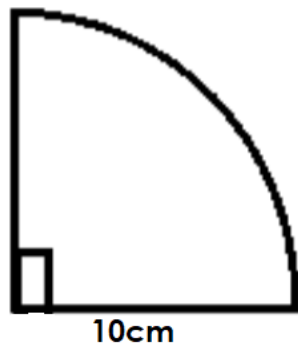
30   19   12   7   4   _____

13. How many buckets of size below can be obtained from the jerrycan shown?

10.5 ltrs

300ml

14. Solve for m: $\dfrac{24}{2m} = 3$

15. The temperature of juice in the fridge was -18^{0}c. When it was removed from the fridge, the temperature rose to 10^{0}c. Find the rise in the temperature.

16. Calculate the area of the sector below. (take π = 3.14)

10cm

17. The percentage of female teachers is 24% more than that of male teachers at Hope Primary School. What is the percentage of male teachers?

18. Calculate the distance covered by a motorcyclist riding at 80 km/h for 45 minutes.

19. Write XCIX in Hindu Arabic Numerals.

20. Mary bought 3 cakes at sh. 4,500. How many cakes would she buy at the same rate if she had sh. 10,500?

SECTION B

21. a) Multiply: 4_{five} X 3_{five} (2 marks)

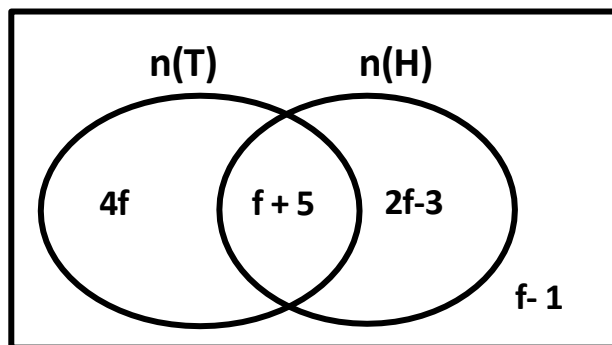b) Find the value of k: 301_k = 136_{seven} (3marks)

22. At Kampala old taxi park, taxis travelling to Jinja and Mityana leave after 40minutes and 50minutes respectively.

a) If the first taxis leave together in the morning, how many taxis will have left for Jinja before the taxis to the two destinations leave together again?   (3marks)

b) If each taxi carries 14 passengers, how many passengers will have left for Mityana before the taxis to the two destinations leave together again?

(2marks)

23. The Venn diagram below shows pupils who like tennis(T), those that like hockey(H) and those that like other games in a P6 class.

n(T)   n(H)

4f   f + 5   2f-3

f- 1

a) Given that 30 pupils like either tennis or hockey, how many pupils are in P6?

(3 marks)

b) What is the probability that a pupil picked at random likes none of the two games?   (2marks)

24. Using a ruler, a pencil and a pair of compasses only, construct a right angled triangle CBS where BS= 6cm, and angle CSB = 60^0　　　(4marks)

b) Measure angle BCS.　　　　　　　　　　　　　　　　(1mark)

25. The table below shows marks scored by 20 pupils in mid-term examinations.

Marks	60	85	50	70	90
No. of pupils	3		4	8	3

a) How many pupils scored 85?　　　　　　　　　(2marks)

b) Find the average mark of the pupils that scored above 70.
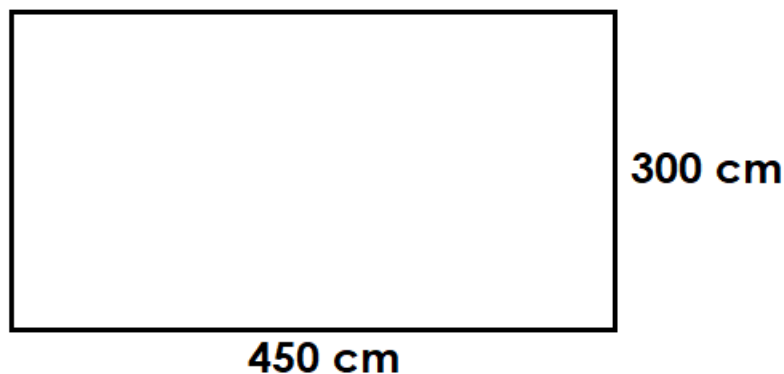
　　　　　　　　　　　　　　　　(2 marks)

26. a) Work out: $\dfrac{0.14 + 0.11}{1.3 - 0.8}$ (3 marks)

b) There are 20 more boys than girls in a class of 70 pupils. What is the fraction of boys in this class?

(2 marks)

27. The builder covered a rectangular room below with square tiles.

a) Given that 10 tiles were fixed along the width, find the area covered by each square tile. (3marks)
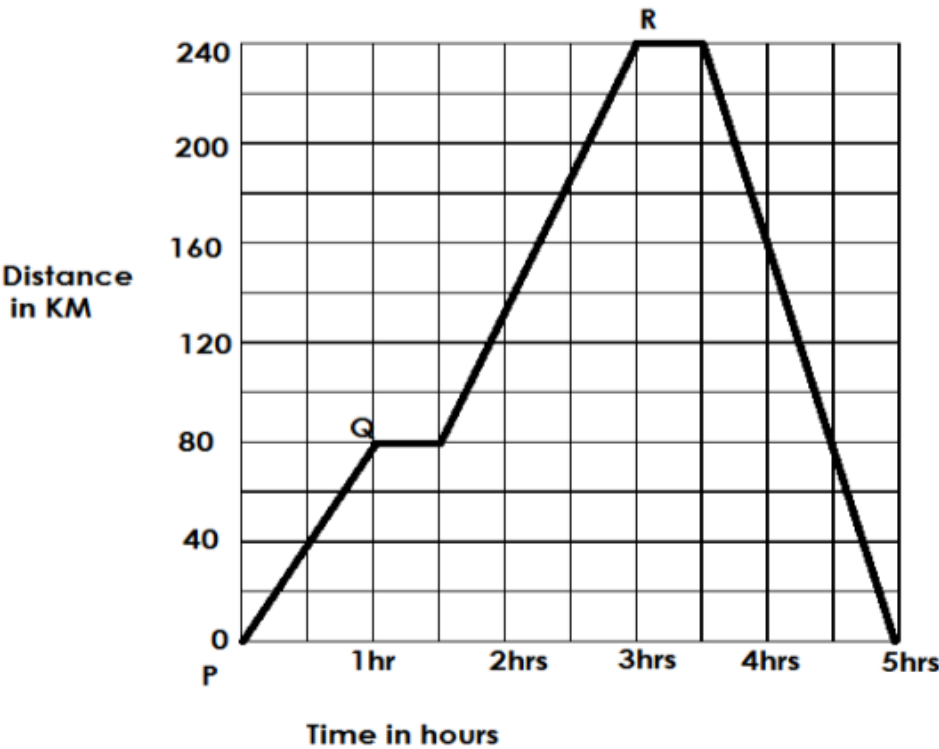

300 cm

450 cm

b) How many square tiles did he use to cover the entire room?

(2 marks)

28. Abdul went to the market with sh. 38,950 and bought the items shown on the table below. Study it carefully and complete.   (6 marks)

ITEM	UNIT COST	TOTAL COST
$3\frac{1}{2}$ litres of milk	Sh. 1,400	Sh. _____
_____kg of sugar	Sh. 4,500	Sh. 2,250
3 pairs of socks	Sh. _____	Sh. 15,000
_____dozen of books	Sh. 700 a book	Sh. _____

29. The graph below shows the distance covered by motorist from town P to town R through town Q. Use it to answer the questions about it.

a) How long did the motorist take to move from town Q to town R.

(2marks)

b) How far is town R from town Q?   (1mark)

c) Calculate the motorist's average speed for the return journey.

(2marks)

30. A trader sold a pair of shoes to James making a profit of 10%.

a) Find the amount of money James paid for the shoes if the trader made a profit of sh. 5,000.   (3marks)

b) If the trader wanted to make a profit of 20%, at what price would he sell the pair of shoes?   (2marks)

31. a) Solve for x: $5(x + 4) - 2(x - 2) = 30$ (3marks)

b) Find the value of m:

$9m + 2 \geq 12 - m$ (2marks)

32. A juice processing factory produces 1800 bottles of juice in 15minutes. These bottles are packed in cartons of 24 bottles each.

a) How many cartons of juice does the factory make in one hour?

(3marks)

b) If the factory sells each carton at sh. 23,000, how much money is collected in one hour?   (2marks)