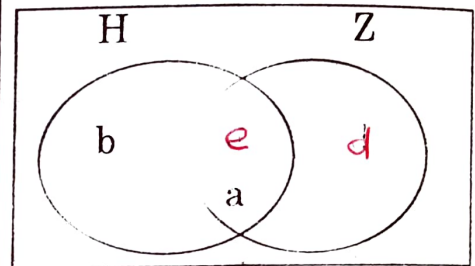1. Multiply: $4 \times 0 =$.

2. Write CXCIV in words.

3. Without dividing, which of the following numbers 309 and 514 is not divisible by 3?

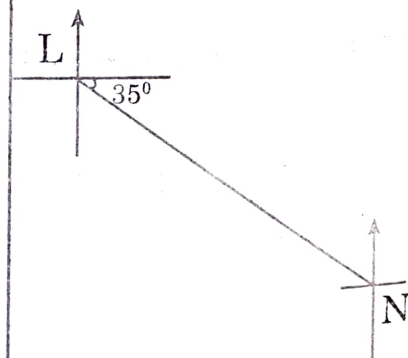4. Study the Venn diagram below and answer the given question.
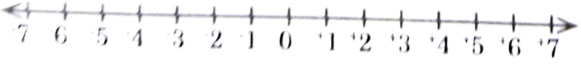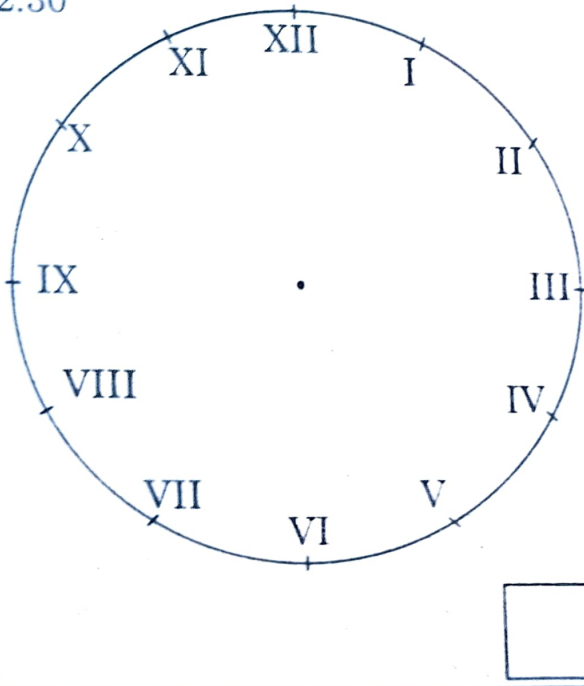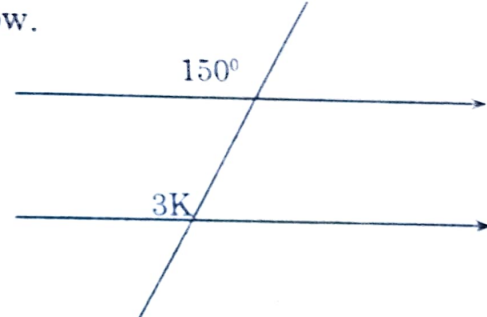

Find n(HUZ)'

5. Using a ruler, a protractor and a pencil only, draw an angle of 60^0 in the space below.

6. Study the diagram below carefully and answer the question that follow.

What is the bearing of L from N?

7.	In a class of 80 pupils, there are 20 boys and the rest are girls. Find the probability of picking a girl to sweep the class.	8.	Work out the reciprocal of $\frac{5}{4}$
9.	The previous water metre reading was XZ00064 and the current reading is XZ00124. If each unit costs Sh.1000. Find the total bill for the units used.	10.	Convert 12 hectometres to metres.
11.	Workout 2 x -3 using the numberline below.	12.	Solve the inequality below. $-2x < 6$

Workout 2 x -3 using the numberline below.

13.	Change 22_{ten} to quaternary.	14.	Round off 25.463 to the nearest tenths.

15.	Using the clock face below. Show 2:30	16.	Find the value of K in the figure below.

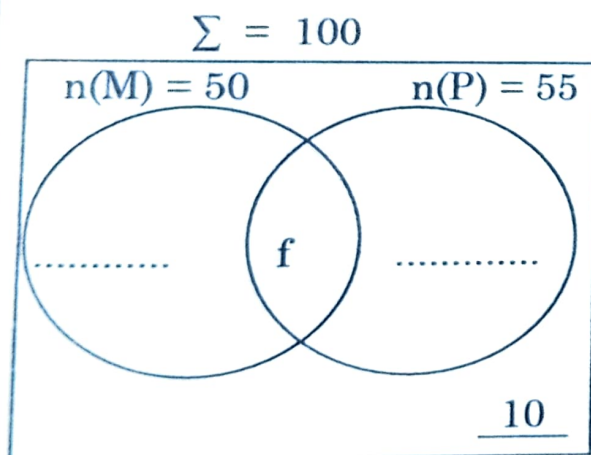| 17.	Solve $(45 \div 5) + (15 \div 5)$ using distributive property.	18.	Workout: $3 - 5 =$ _____ (mod 7)

19.	Musa planted trees around a circular garden of circumference of 44m in intervals of 4m apart. How many trees were planted?	20.	Find Lowest Common Multiple of 6 and 9.

SECTION B (60 marks)

21. In a class of 100 pupils, all eat Rice (R), 50 eat matooke (M), 55 eat posho (P), 10 eat neither Matooke nor Posho while (f) eat all types of food.

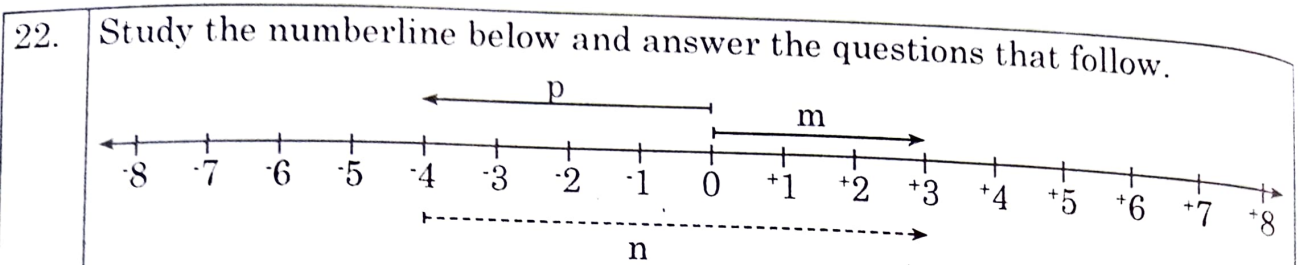a) Represent the above information on the Venn diagram below.

$$\Sigma = 100$$

n(M) = 50   n(P) = 55

....   f   ....

10

2 marks

b) Find the value of f ?

c) Find the probability of choosing a pupil who eats only rice.

22. Study the numberline below and answer the questions that follow.

a)	Find the value of;	b)	Write a mathematical statement for the above numberline.
	n = _____		
	p = _____		
	m = _____		**2 marks**
	1 mark@		

23. Given digits 4, 3, 0, 5

a)	Form the smallest 4 digit number	b)	Form the largest 4 digit number.
	1 mark		**1 mark**

c) Find the **difference** between the largest and smallest numeral.

2 marks

24. Using a ruler and a pair of compasses only, construct triangle PQR in which line PQ = 5cm, angle QPR = 60^0 and angle R = 45^0.

5 marks

25. The time table below is for the flight at Kenya airways. Study it carefully and answer the questions that follow.

Airport	Arrival	Departure
Nairobi	_____	10 15 hours
Dodoma	12 35hrs	12 45 hours
Kigali	13 20hrs	13 30 hours
Kisumu	14 30hrs	

a) Express the arrival time of the plane to Dodoma in a 12 hour clock system

b)	If distance from Nairobi to Kisumu is 85km, calculate the average speed for the whole journey.

<div align="right">

3marks

</div>

26.	Kiyinda Mityana Diocese distributed Religious Education books. ⅓ of the books were given to Naama parish and ½ of the remainder to Katente Parish. How many Religious Education books were there if 1400 books remained?

<div align="right">

6 marks

</div>

27.	Namugosa went to Makula super market and bought the following items.
	2kg of sugar for Shs. 12000
	1½ litres of cooking oil at Shs. 6000@ litre
	1500ml of milk at Sh. 2000 per litre
	10 apples at Sh. 2000 for every 2 apples.

Find how much Namugasa spent on all items.

a)

4 marks

b) If she had 8 notes of five thousand shillings, What was her change?

2 marks

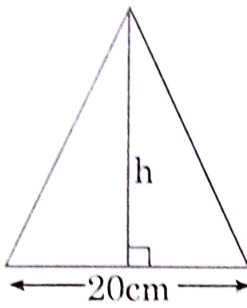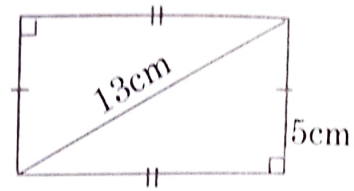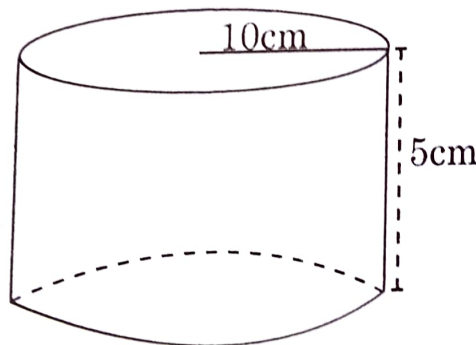**28.** The figures below A and B have the same area, study them carefully to find the value of h in figure A.

Fig. A

Fig. B

13cm

5cm

h

20cm

5 marks

29. Study the Geometric figure below carefully and answer the questions.

10cm

5cm

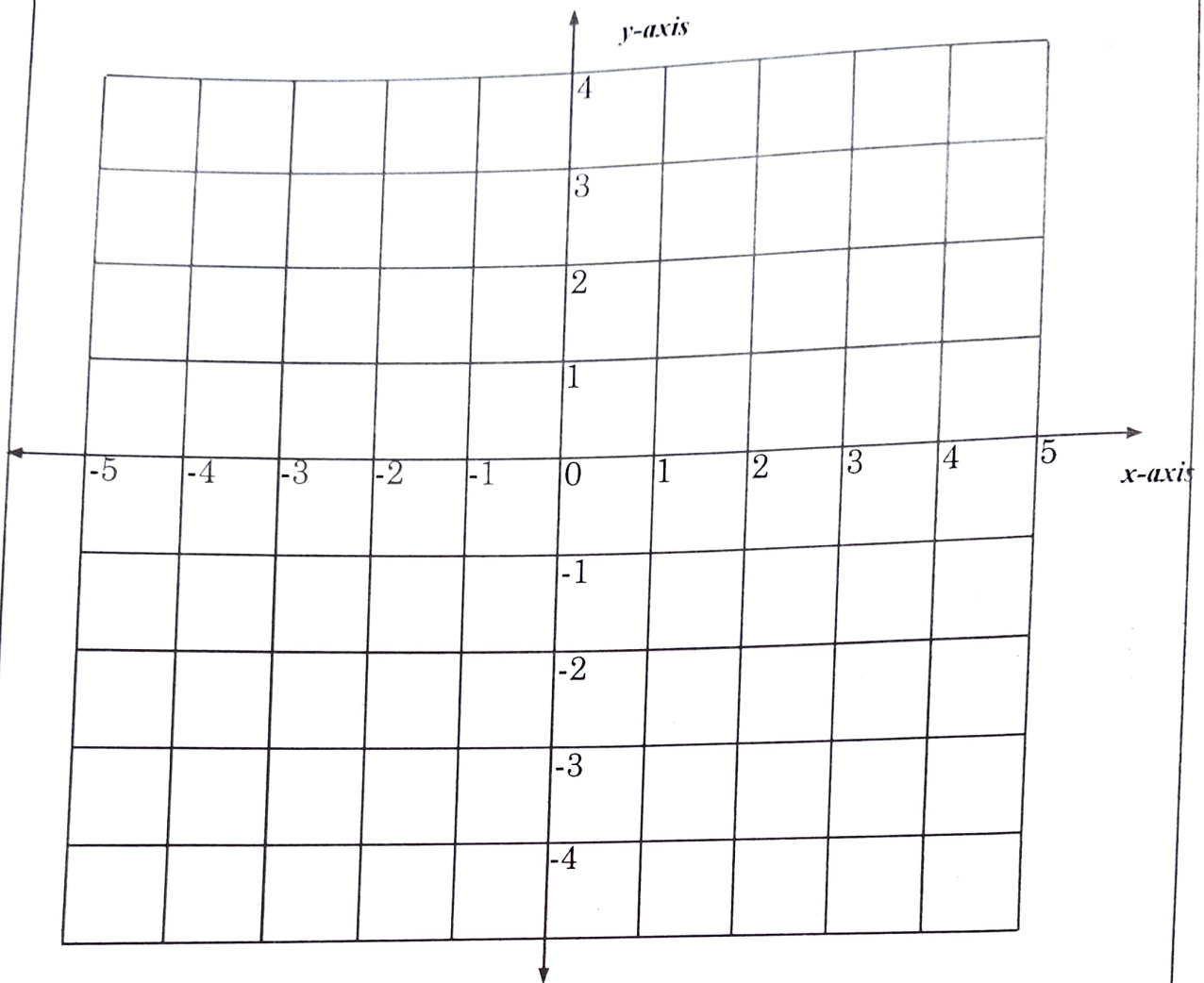| a)	Name the figure above.	b)	How many faces has the figure?

1 mark

1 mark

c)	Find the volume of the figure above. (Take π as 3.14)	
		2 marks

30.	Nabbosa was given a task of packing small cylindrical tins of diameter 6cm and height 7cm into a large box measuring 18cm (L) by 14cm (W) by 28cm (H). Calculate the space left un occupied.
	6 marks

31.	Subtract: 3y - 1 from 5y - 3	b)	A father is 35 years old and his son is 10 years. In how many years will the son be a half as old as his father?
	2 marks		3 marks

32) Use the co-ordinate graph below and answer the questions that follow.

a) Plot and join points E(0, -3), F (3, -3) and G (0,3).

4 marks

b) Give a specific name for the figure formed.

1 mark

End