Section A (40 Marks)

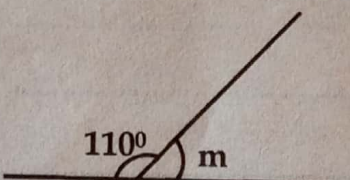|			
1	Workout: 43 - 33	2	Write "thirty six thousand forty" in figures.
3	Find the next number in the sequence 1,3,6,10,15,_____	4	A trader bought a hen at sh 25000 and sold it at a profit of 10%. Find the profit the trader made.

5 Find the value m in the diagram below.

110^0 m

6	Simplify: $\frac{3}{4} + \frac{1}{3}$	7	Given that set R = { 2, 3,5,7,11} and set T = {1,3,5,7,9}. Find n(R∩T)/
8	Find the median of 25, 10, 15, 25, 15, 30, 15.	9	Find the square root of $6\frac{1}{4}$.
10	Round off 93685 to the nearest thousands.	11	In a class, the ratio of boys to girls is **3:5** respectively. If there are **25girls**, find the total number of pupils in the class.

12	In a basket there are 6 green apples and 5 red apples. If an apple is picked at random, find the probability that the apple picked is red.	13	The exchange rate for United States dollar to Uganda shillings is 1 US$ = Ugsh 3800. How many United States dollars can one get with Ugsh 456000?

14	A taxi covered a certain distance at a speed of 70km/hr in 30 minutes. Calculate the distance the taxi covered.

15	Opoka bought 3.5kg of peas from a shop. Find the mass he bought in grammes.	16	Work out: $^-3 - {}^+5 =$

17	Using a pair of compasses, a ruler and a pencil only, construct an angle of 45^0 in the space below.

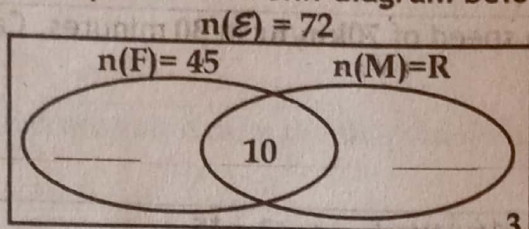| 18	Solve for n: 3 +2n = 9	19	Calculate the circumference of a bicycle wheel whose radius is 35cm. (Take $\pi = \frac{22}{7}$)

20	Atimango deposited sh 480,000 in a bank which offers a simple interest rate of 8% p.a for 6 months. Calculate the simple interest she got after **6 months**.

Section B (60 Marks)

21	In a class of 72 pupils, 45 pupils like eating fish (F), R pupils like eating meat (M), 10 pupils like eating both fish and meat while 3 don't like eating any of the two types of dishes.

(a) Complete the Venn diagram below. *(02 marks)*

$n(\mathcal{E}) = 72$

$n(F) = 45$ $n(M) = R$

10

3

(b) Find the value of R. *(02 marks)*

(c) If a pupil is picked at random to collect chalk, what is the probability that the pupil chosen likes eating one type of dish only? *(02 marks)*

22	(a) Write down the number expanded to give $(8 \times 10^4) + (6 \times 10^2) + (5 \times 10^0)$ *(02 marks)*

(b) Round off **47.16** to the nearest tenths. *(02 marks)*

23	A certain novel has **180 pages**. (a) How many papers are in the novel? *(02 marks)*

(b) If Mirundi reads 10 pages a day, in how many days can he complete reading the novel? (01 mark)

(c) If each page has 200 words, how many words are in the novel? (02 marks)

24. The sum of three consecutive odd numbers is 39.
(a) Find the numbers. (02 marks)

(b) Workout the product of 3rd and 5th prime numbers. (03 marks)

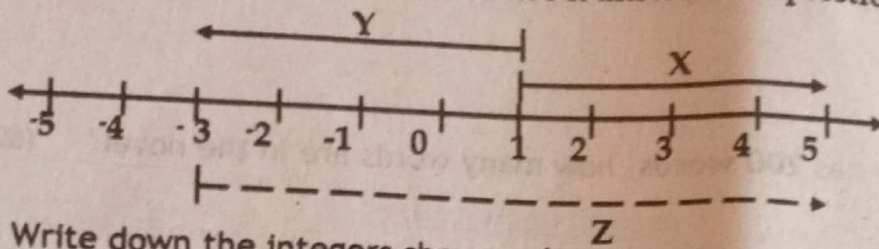25. Nakasi went to shop and bought the following items;

4 bars of soap at sh 6000 per bar.
3 loaves of bread at sh 4800 per loaf.
500g of posho at sh 3000 per kg.

(a) Calculate the amount of money she spent on all the items. (05 marks)

26 Study the number line below and use it answer the questions that follow.
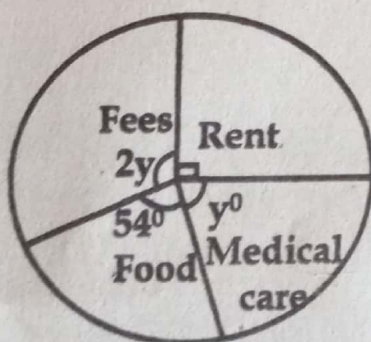

(a) Write down the integers shown using arrows.

X = _____   Y = _____   Z= _____   (01 mark each)

(b) Write down the Mathematical Statement shown on the number line above.

(02 marks)

27 Three girls Annet, Molly and Sharifah shared a certain number of books in the ratio of 3:5:7 respectively. If Sharifah received **56** books,

(a) find the total number of books they shared altogether?   (04marks)

(b) How many more books did Molly get than Annet?   (01 mark)

28 The pie chart below shows how Mr. Kavulu spends his monthly salary. Study it carefully and use it to answer the questions that follow.

(a) Find the value of y.   (02 marks)

(b) If he spends sh 108,000 on medical care, find his monthly salary. (02 *marks*)

(c) Express the sector for rent as a fraction. (01 *mark*)

29 (a) Using a pair of compasses, a ruler and a pencil only, construct a triangle BCD where BC = 7cm, BD = 5cm and angle DBC = 90^0. (04 *marks*)

(b) Measure angle BCD. (01 *mark*)

30 A bus left Mbale at 9:30am for Kampala moving at a speed of 80km/hr and reached Kampala at 2:00pm.
(a) How long did the whole journey take? (02 *marks*)

(b) Calculate the distance the bus covered. (02 marks)

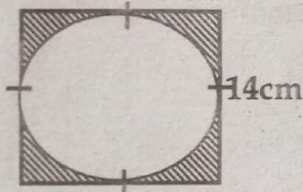(c) Express the departure time of the bus from Mbale in 24 hour clock.
(01 mark)

31 | (a) Solve: 3(p+4) – 2(p-2) = 20 (03 marks)

(b) Subtract: 3m + 2 from 5m +4. (02 marks)

32 | Study the figure below carefully and use it to answer the questions that follow.

14cm

(a) Calculate the area of the square. (02 marks)

(b) Calculate the area of the circle.(Take $\pi = \frac{22}{7}$) (02 marks)

(c) Find the area of the shaded part. (01mark)

CamScanner