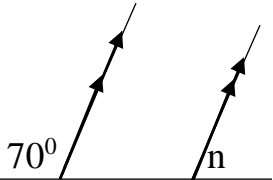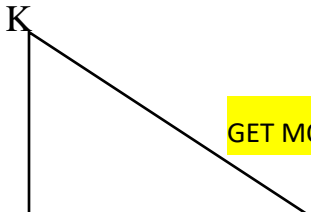## SECTION B

1.	Subtract 5 from 14	2.	Write in figures. "Two thousand sixteen"
3.	Solve: $12 = 3 + 3y$	4.	Simplify $+8 - -3$
5.	Given that set P = { b, r, e, a, d} Q= { b,u,t,e,r} Find n(P∩Q)	6.	Express 1000two in decimal base.
7.	A taxi travelled at a speed of 90km/hr and covered a distance of 135km. What time did the journey take?	8.	Work out: $12 + (9 \div 3)$

9.	Simplify: $2 \frac{1}{2} + \frac{1}{4}$	10.	Find the value of n. 70^0 n
11.	Find the next number in the series. 1, 3, 6, 11, 18, _____	12.	State the place value of 1 in the number. 257.314
13.	The cost of 4 books is sh. 3200. How many books can be bought with sh. 800?	14.	John walked a distance of 2.3km. Express his distance in metres.
15.	Find the length KL K	16	Using the distributive property, workout $(30 \times 12) + (70 \times 12)$

13cm

L　　　　　　**M**

12cm

17.	A certain number of sweets was shared among 4 girls and 6 girls leaving a remainder of 1 sweet. How many sweets were shared?	18.	Expand using place values 3682
19.	Express XCIX in Hindu Arabic numerals.	20.	Using a ruler, a pair of compasses only, and a sharp pencil, construct an angle of 75^0.

SECTION B

21. In a class, 20 pupils like Rice (R), 25 pupils like Chips (C)while 10 pupils like both Rice and Chips.
    a)   Represent this information on a venn diagram.   (3 marks)

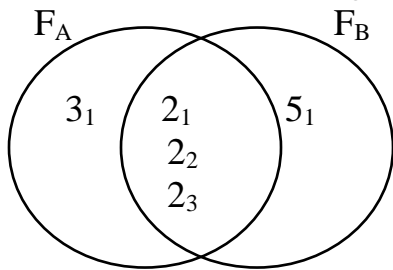b) Find the total number of pupils in the class. (1 mark)

c) How many pupils like only one type of food? (1 mark)

22. a) During the presidential elections, a candidate received 10,411 votes from county A, 12242 from B, 8, 211 from C, 9001 from D and 1400 from E. How many votes did he get from the district? (3 marks)

b) The reading of the water metre at the beginning of the month was 0040702 units

and at the end of the month was 0040731units. How much water was used during the month?   (2 marks)

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23.   Given the venn diagram below, use it and answer the questions that follow.

F_A F_B a)   Find the value of B   (2 marks)

3_1 2_1 5_1
2_2
2_3

     b)   Find the GCF of A and B   (1mark)

     c)   Find the LCM of A and B   (2 marks)

24. At a birthday, Jane Isabella and Daniella contributed some money in the ratio of 3: 2: 5 respectively. If Daniella contributed shs. 48,000.
    a) What was their total contribution?   (3 marks)

    b) What was Jane's contribution?   (2 marks)

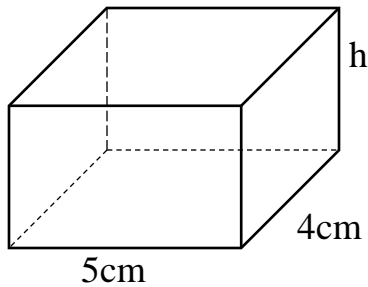25. a) Simplify $\dfrac{0.49 \times 1.8}{0.07 \times 0.6}$ (3 marks)

    b) $\dfrac{3}{4} + \dfrac{1}{2} \div \dfrac{5}{6}$ (2 marks)

26. The sum of three consecutive odd numbers is 69   (2 marks)
    a) Find the numbers.

b)   Work out their range.   (3 marks)

27.   The figure below is a rectangular tin whose volume is 120cm^3.

a)   Find the value of h.   (2 marks)

b)   Work out its total surface area.   (3 marks)

28. a) Solve: $2(3k + 2) + 5(k+3) = 41$ (3 marks)

    b) $3x + 7 = x + 9$ (2 marks)

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29. Okiring went to the market and bought the following items.
    2 ½ kg of meat atashs. 10,000 per kg
    1 ¼ kg od rice at shs. 3600 per kg
    2 litres of cooking oil at 3,000 per litre
    500gm of salt at sh. 1200 per kg.
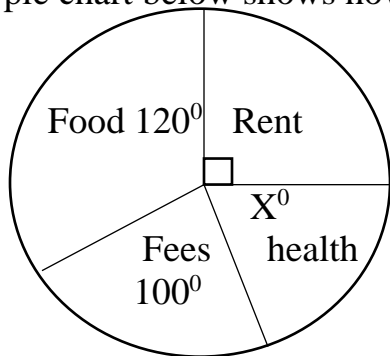   a) How much money did he spend altogether? (4 marks)

    b) If he remained with sh. 2,000,how much money did he go with? (1 mark)

30. Nattabi scored the following marks in a series of tests. 7, 5, 4, 10, 6, 5, 6, 7, 5, 5
    a)   Find the modal mark.   (2marks)

    b)   Work out Nattabi's median mark.   (1 mark)

    c)   Calculate her mean mark.   (2 marks)

31. Using a ruler, sharp pencil and a pair of compasses only, construct a triangle ABC in which AB = AC =6cm and angle B is 90^0.

b)   Measure AC

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32.   The pie chart below shows how a man spends his monthly income of shs. 720,000.

                                           a)   Find the value of x

Food 120^0 Rent

X^0

Fees   health
100^0

b)   How much money does he spend on fees?

c)   Express the amount of money spent on food as a percentage of the total amount.