

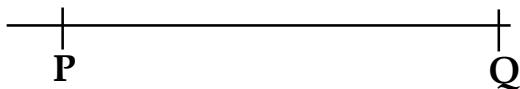
Section A(40 Marks)

1 Subtract: $87 - 23$

2 Find the next number in the sequence below.
0, 1, 1, 2, 3, 5, 8, _____

3 Work out the value of 7 in 6742.

4 Using a pencil, ruler and a pair of compasses only, construct a perpendicular line to meet line PQ at M.

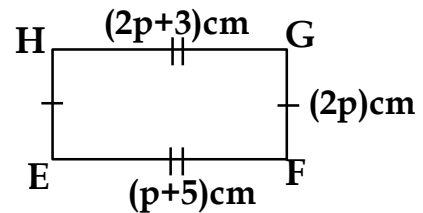


5 The table below shows marks scored by P.7 pupils in a maths test. Use it to answer the question that follows.

Marks	85	77	96	70
No. of pupils	3	7	6	2

Find the range of marks.

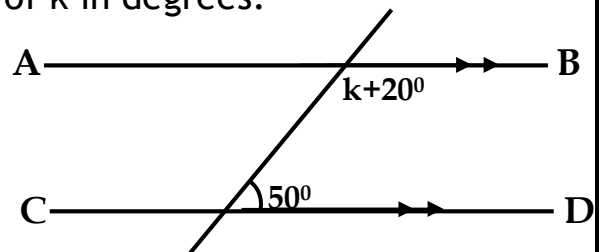
6 Below is a rectangle EFGH. Use it to find the value of p.

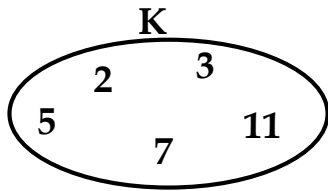
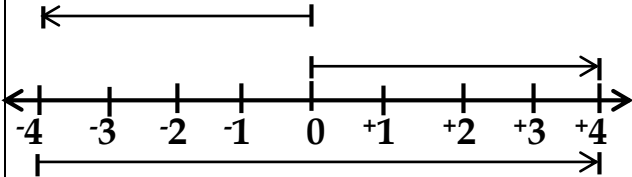


7 Convert 2.5 liters to milliliters.

8 A football competition takes 56 days at national level. How many weeks does the competition take?

9 In the figure below, line AB is parallel to line CD. Find the value of k in degrees.

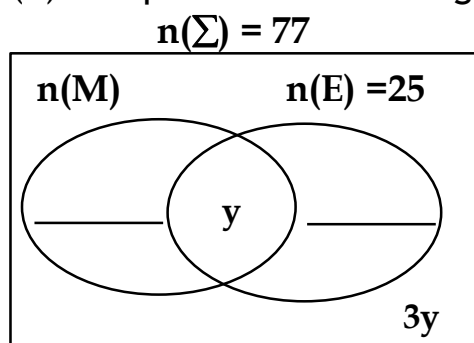


10	Describe set K below 	14	Calculate the area of a circle whose diameter is 10cm. (Use $\pi = 3.14$)
11	On a certain day, Joseph counted ### ### ### //// cars on and James counted ##### //// cars. How many cars did the two boys count altogether?	15	Change $\frac{2}{5}$ to a decimal fraction.
12	Given that $m = -3$ and $n = +2$. Find the value of $m^2 - n$	16	Calculate the distance covered by a taxi which travelled at an average speed of 100km/hr for $2\frac{1}{4}$ hours.
13	Study the numberline below and use it to answer the question that follows.  Write a mathematical statement represented by the above numberline.	17	Round off 45.97 to the nearest tenths.
		18	Find the square of $2\frac{1}{4}$.

19	During Ritah's birthday party attended by 24 participants, each person brought $\frac{1}{3}$ kg of meat. How many kilograms of meat did Ritah collect that day?	20	A tourist came with bundles of money. The notes were numbered consecutively from BN 200227822 to BN 200227999. Find how many notes were in the bundles of money.
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Section B(60 Marks)

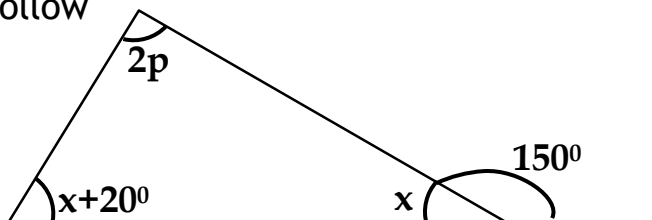
- 21 In a class of 77 pupils, 31 like Mathematics(M) only, 25 like English(E), some pupils like both subjects while 3y pupils like none of the two subjects.
 (a) Complete the Venn diagram below. (02 marks)



- (b) Calculate the value of y (02 marks)

- (c) How many pupils like English only? (01 mark)

- 22 Carefully study the figure below and use it to answer the questions that follow (b) Find the value of p. (02 marks)



- (a) Find the value of x in degrees (02 marks)

23	(a) Work out the difference between the value of 6 and the place value of 2 in the 742063. (03 marks)	(b) What is the place value of 4 in 5488? (01 mark)
24	<p>In a class of 64 pupils, $\frac{1}{4}$ of them are boarders and the rest are day scholars.</p> <p>(a) Find the fraction of day scholars in the class. (02 marks)</p> <p>(b) How many day scholars are in the class? (02 marks)</p> <p>(c) How many boarders are in the class? (02 marks)</p>	
25	<p>The sum of four consecutive even numbers is 60. If t is the largest number</p> <p>(a) Find the value of t. (02 marks)</p> <p>(b) Find the numbers (03 marks)</p>	

26 (a) Using a pencil, ruler and a pair of compasses only, construct a regular hexagon in a circle of radius 3.5cm (04 marks)

(b) Find the distance around the figure you have constructed above. (01 mark)

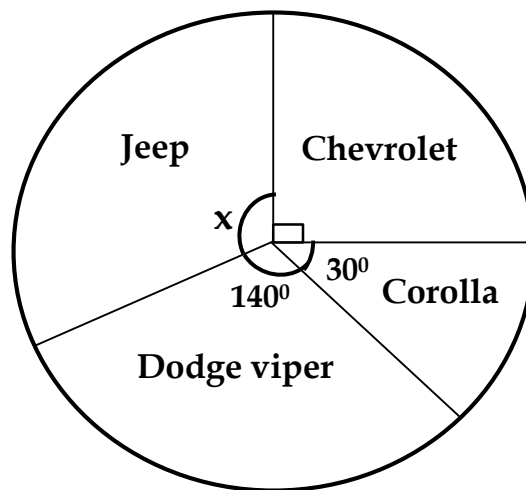
27 A farmer went to the market with 2-twenty thousand shilling notes and bought as indicated in the shopping table below. Use it to answer the questions that follow.

Item	Quantity	Unit cost	Amount
<i>Rice</i>	<i>2kg</i>	<i>sh.4,000 per kg</i>	<i>sh.8,000</i>
<i>Honey</i>	<i>____ liters</i>	<i>sh.24,000 each liter</i>	<i>sh12,000</i>
<i>Bread</i>	<i>3 loaves</i>	<i>sh.2,700 a loaf</i>	<i>sh._____</i>
<i>Oranges</i>	<i>5 heaps</i>	<i>Sh._____ @ heap</i>	<i>sh.10,000</i>
<i>Total expenditure</i>			<i>sh._____</i>

(a) Complete the above shopping table. (04 marks)

(b) Calculate his change if he was given a discount of sh.100. (02 mark)

28 The pie chart below represents different types of vehicles at Quick washing bay. Study it carefully and use it to answer the question that follows.



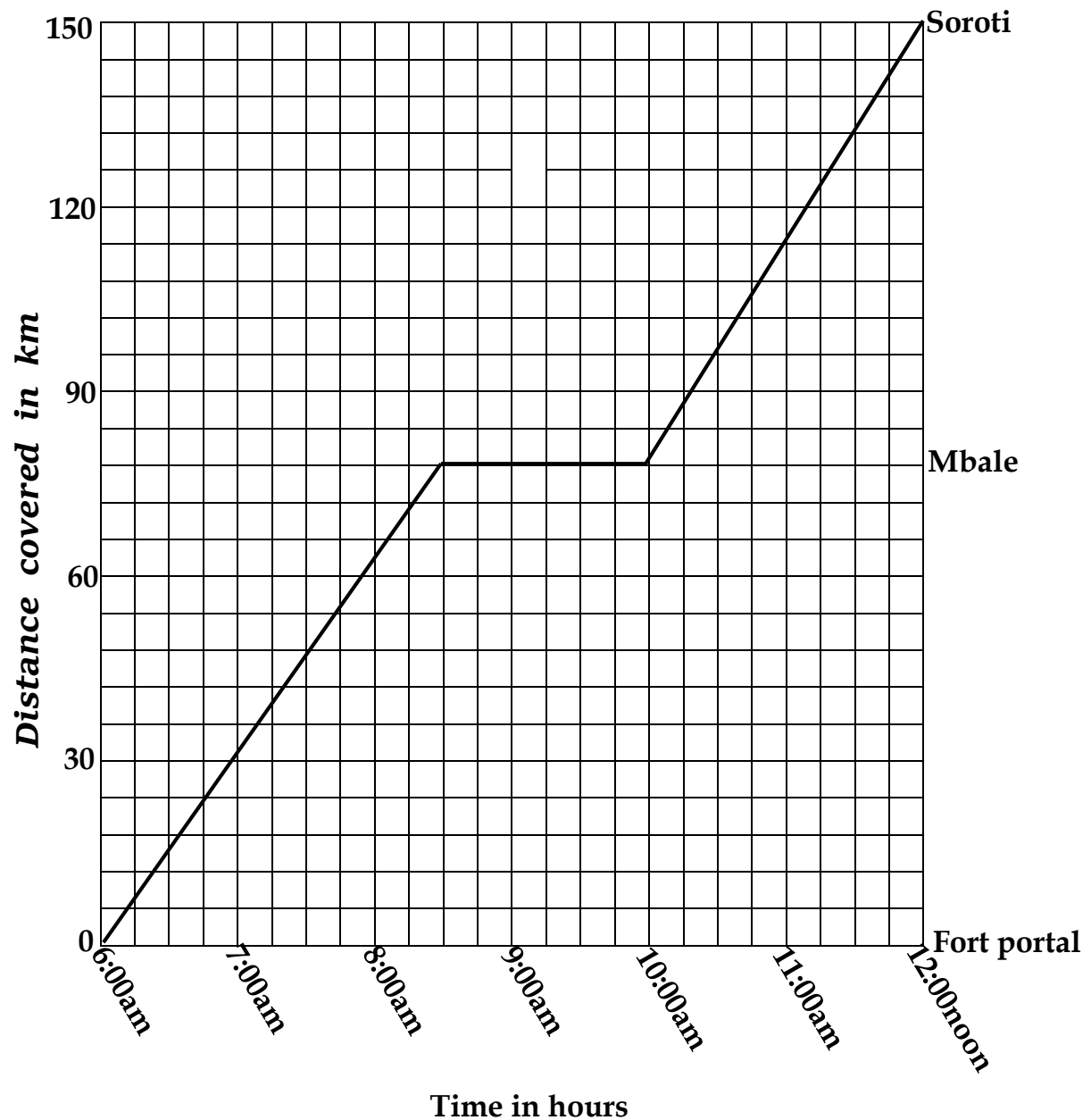
If there were 10 Jeep vehicles, how many vehicles were at the washing bay altogether? (05 marks)

29. At Owino market, the price of a mango is three times as much as the price of an apple and the price of a pawpaw is sh.300 less than that of an apple. If the total cost of all the three fruits is sh.5700, find the cost of an apple. (04 marks)

30. A businessman deposited 20 notes of sh.20,000 each and 4 notes of sh.50,000 each in a bank which gives an interest rate of 2% per annum. His money stayed in the bank for 5 years.
- (a) Calculate the simple interest the man got after the five years. (03 marks)
- (b) How much money did he get from the bank altogether after the five years? (02 marks)

31

The graph below shows how a motorist travelled from Fort portal to Soroti via Mbale. Study it carefully and use it to answer the questions that follow.



(a) What is the distance between Fort portal and Mbale? (01 mark)

(b) For how long did the motorist rest in Mbale? (01 mark)

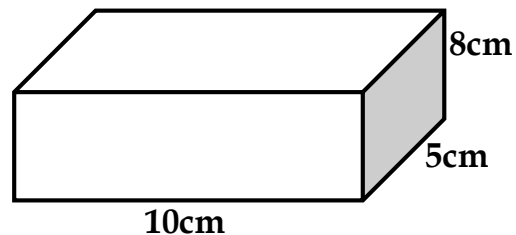
(c) At what time did the motorist depart from Mbale?

(01 mark)

(d) Work out the average speed of the motorist over the whole journey.

(02 marks)

32 The diagram below is of a cuboid. Use it answer the questions that follow.



(a) Calculate its volume.

(03 marks)

(b) Calculate its total surface area

(03 marks)

THE END