

SECTION A (20 QUESTIONS - 40 MARKS)

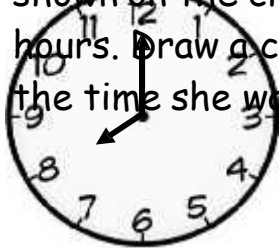
1. Take away :
$$\begin{array}{r} 98 \\ - 77 \\ \hline \\ \hline \end{array}$$

2. Simplify: $2k + 3p - k - p$

3. Given that $a = \frac{2}{3}$ and $b = \frac{1}{4}$. Find the value of $a - b$.

4. Use a pair of compasses to construct an angle of 120° .

5. Nambi goes to rest at the time shown on the clock face below for 2 hours. Draw a clock face showing the time she wakes up.



6. Joan read XLIX pages of a book. How many pages in Hindu Arabic numerals did she read?

7. The sum of two consecutive numbers is 9. Find the larger number.

8. A Half kilogram of Rice costs sh.2000. What will be the cost of 2kg of similar Rice?

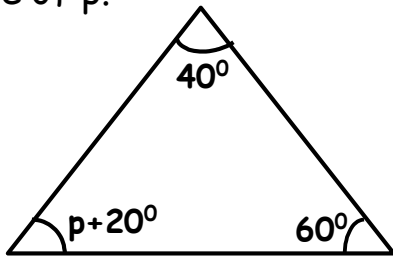
9. Convert $33\frac{1}{3}$ to an improper fraction.

10. Find the sum of 110_{two} and 101_{two} .

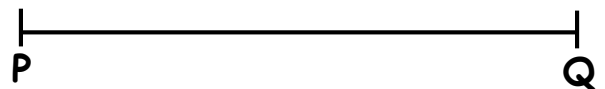
11. Given that  represents 10 books and  represents 5 books. Draw pictures to represent 85 books.

12. $R = \{\text{factors of } 3\}$. List down all the subsets of R .

13. In the triangle below, find the value of p .



14. Measure the line segment below and fill in the length of PQ correctly.



$PQ = \underline{\hspace{2cm}} \text{ mm}$

15. Express 1342 hours in twelve clock system.

16. Write the number that has been expanded .
 $20000 + 600 + 7$

17. Ndahura's birthday will be celebrated next week. What is the probability that the day will be starting with letter "T"?	18. A motorist covers a certain journey at 60km/hr for 3 hours 30 minutes. Calculate the distance covered by the motorist.
19. Work out: $(\frac{1}{4} \text{ of } \frac{1}{3}) \div \frac{1}{12}$	20. Draw a kite and indicate the line of symmetry.

SECTION B (12 QUESTIONS - 60 MARKS)

21.	Ketra scored the following marks in a weekly test.						(1 mark)	
	Subject	Eng	Math	Scie	SST	R.E		
	Marks	75	100	75	80	90		
(a) Calculate the range of her scores.								
(b) Find the modal mark.								(1 mark)

(c) Calculate the average score <u>above</u> her modal mark?	(3 marks)
22. a) Write the place value of 3 in 230_{five} .	(1 mark)
(b) Write in words 122_{three} .	(2 marks)
(c) Find the value of K. $21_k = 13_{\text{ten}}$	(2 marks)
23. In a school of 2400 pupils, $\frac{3}{8}$ of them are boys and the rest are girls. (a) Find the fraction that represents girls.	(2 marks)

(b) How many boys are in the school?	(1 mark)
(c) If $\frac{3}{5}$ of the girls are in upper school, how many girls are in lower school?	(2 marks)
24. ABCD below is a rectangle. Use it to answer questions that follow. (a) Find the value of ; (i) x (ii) p	(2 marks)
(b) Calculate the area of the rectangle.	(2 marks)

(c) Find twice the perimeter of the above rectangle.	(1 mark)
25. Find the next number in the sequence. (a) 110 , 130 , 150 , 170 , _____ .	(1 mark)
(b) Calculate the square root of 196.	(2 marks)
(c) Work out the least common multiple of : 30 and 40.	(2 marks)
26. (a) Using a pair of compasses, a ruler and a sharp pencil, construct a triangle ABC such that BC = 8cm, AB = 6cm and angle ABC = 90° .	(3 marks)

(b) Measure ;
(i) line AC.

(ii) $\angle BCA$

(2 marks)

27. Complete the shopping bell.

Item	Quantity	Unit cost	Amount
Books	$1\frac{1}{2}$ dozen	Shs.4,000	Shs. _
Pens	_ dozen	Shs. 9,000	Shs. 18,000
Toothpaste	3 tubes	Shs.	Shs. 7,500
Omo	$\frac{1}{2}$ kg	Shs.8,600	Shs. _
		Total	Shs. _

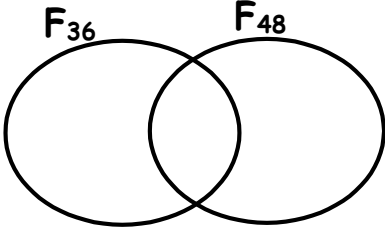
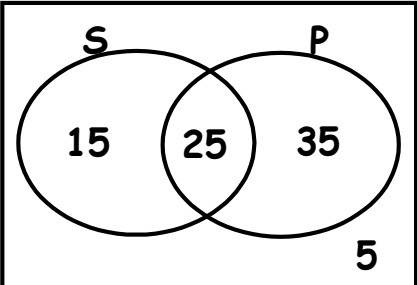
(5 marks)

28. Given the number 4098.

(a) Represent the number on a well drawn abacus.

(1 mark)

(b) Round off the above number to the nearest tens.	(2 marks)
(c) Find the sum of the place value of 4 and the value of 9 in the above number.	(2 marks)
29. Work out correctly. a) Hours minutes $\begin{array}{r} 14 \quad 42 \\ + 12 \quad 28 \\ \hline \end{array}$ b) weeks days $\begin{array}{r} 8 \quad 3 \\ - 2 \quad 5 \\ \hline \end{array}$	(2 marks)
(c) Express 96 minutes as hours and minutes.	(3 marks)
30. (a) A half of a number is 24. Form an equation and find the number.	(3 marks)

(b) What is $\frac{3}{8}$ of the same number?	(2 marks)
31. a) The LCM of two numbers is 24. Their GCF is 2. If one of the numbers is 8, find the second number.	(2 marks)
(b) Represent the Prime factors of 36 and 48 on the venn diagram. 	(3 marks)
32. The Venn diagram shows the number of pupils who like swimming (S) and Physical Education (P) and other sports activities. Study it and answer the questions that follow.  (a) How many pupils like; (i) Swimming	(1 mark)

(ii) Physical Education	(1 mark)
(b) How many pupils like other sports that have not been included here?	(1 mark)
(c) What is the probability of choosing a pupil who like sonly one game to be the group leader?	(2 marks)

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