## SUCCESS ACADEMIC FOUNDATION OF UGANDA (SAFU)

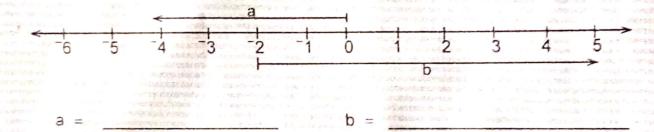


Time Allowed: 2 Hours 35 Minutes

A and B.  Z. Section A has 20 short-arrower questions (40 marks) Qri. No. MARKS  Section B has 12 questions 1 - 5 (60 marks) 6 - 10  4 Answer All questions All answers 11 - 15 (1 - 1	DIT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.  Ductions carefully:  FOR EXAMINERS USE ONLY  A has 20 short-grower  (All marks)  All questions. All answers ections A and B must be of the spaces provided.  Brand point pen or ink.  Sistemated by short-growers  (All questions. All answers)  (All question	Candidate's Name:	NAMES OF REPORT OF		
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## SECTION A: ( 40 MARKS) Questions 1 to 20 carry two marks each.

- 1. Work out:  $\frac{5}{7} \frac{2}{7}$
- 2. Write 99 in Roman numerals.
- 3. Find the Integers represented by arrows on the number line below.



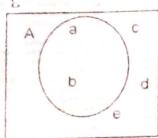
Mukasa is 32 years old. Represent his age using tallies.

5. Round off 3523 to the nearest hundred.

6. Fati is 1.52 metres tall. What is his height in cm?

7. Divide 2121 by 3.

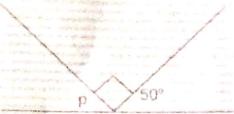
8. Given the Venn diagram below. Find n(A)1



- 9. Increase sh. 4,800 by 20%
- 10. The average of two numbers is 30. Find their total?

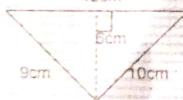
- 11. Solve. 2x + 4 = 14
- 12. Write "Seventeen thousand eight hundred four" in figures.

13 Use the diagram below to find the value of p in degrees.



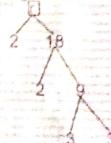
14. The cost of four kg of sugar is sh. 1600. What is the cost of 6 kg at the same rate

15. The figure below is a triangle. Calculate its area.



- What is the next number in the sequence below? 36, 30, 25, 21, 18.
- A car travelled at a distance of 120 km for 2½ hours. What is its speed in km/hr?

18. The diagram below shows the prime factorised method. Find the value of r.



19. There are 5 oranges, 7 mangoes and 6 apples in a basket.

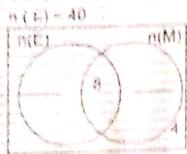
What is the probability of picking an apple from the basket?

25 they many mass of folding symmetry has the figure below?



## **BECTION B**

- in a class of 40 pupils, 20 like English (E), X pupils like Maths (M) only, 8 like both subjects while 4 like other subjects.
  - a) Complete the Venn diagram



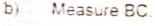
- b) Find the value of X
- o) Find n(M ( ) E)
- 22 a) Work out  $\frac{1}{4} + \frac{1}{2} + \frac{1}{6}$

b) Simplify 0.25 × 0.6 0.05 (2 marks)

- (2 marks)
- (1 mark)
- (3 marks)

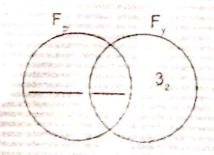
13 marks)

23 a) Using a ruler, pencil and a pair of compasses only Construct a triangle ABC such that AB = 6cm, AC = 5.5 cm and angle BAC = 60°. (4 marks)



24. Given the prime factorisation of: F = {2, 2, X, 5,} and F, (2, 2, 2, x, 3,)

a) Complete the Venn diagram below.



b) Find the value of X, if the G.C.F of p and y is 12

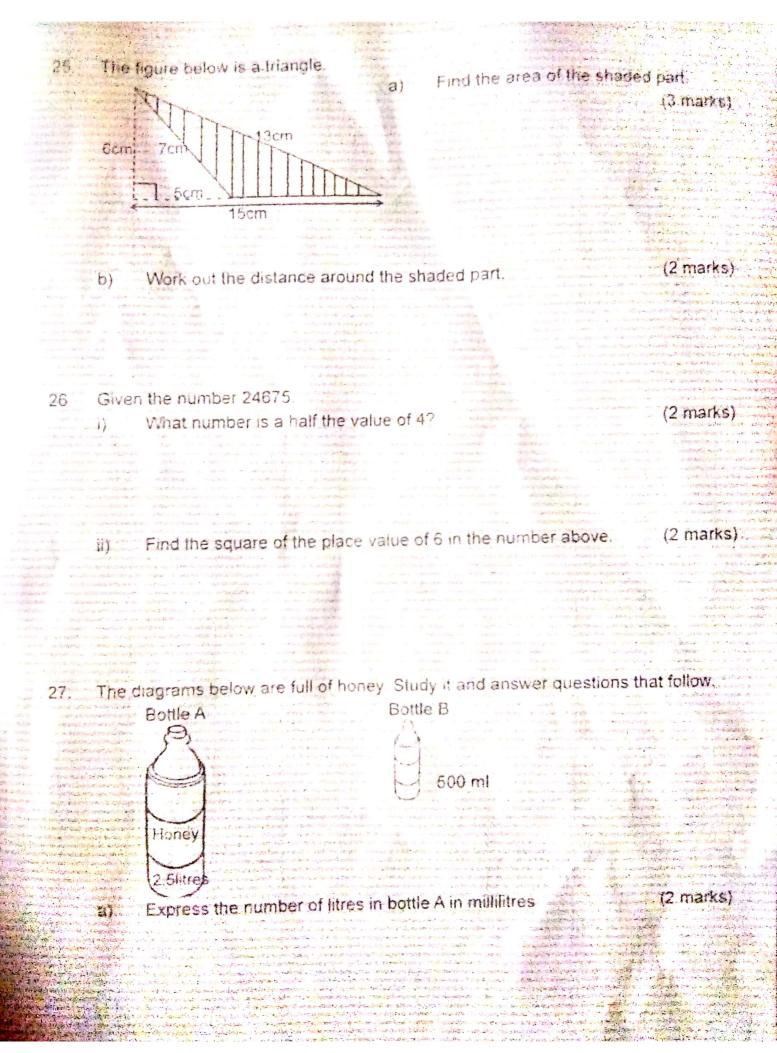
c) Work out the value of p.

(1 mark)

The same of the same

(2 marks)





c) If a ½ of honey costs sh. 3000, how much can one get from the sale of honey in bottle A? (2 marks)

28. The table below shows Mr. Kitaka's shopping bill.

Item	Unit cost	Total cost
3 kg of sugar	sh. 4200	sh.
kg of cowpeas	sh 3600	sh 7200
1/2kg of millet flour	sh.	sh. 1500
A CARL		sh.

a) Complete the table above.

(4 marks)

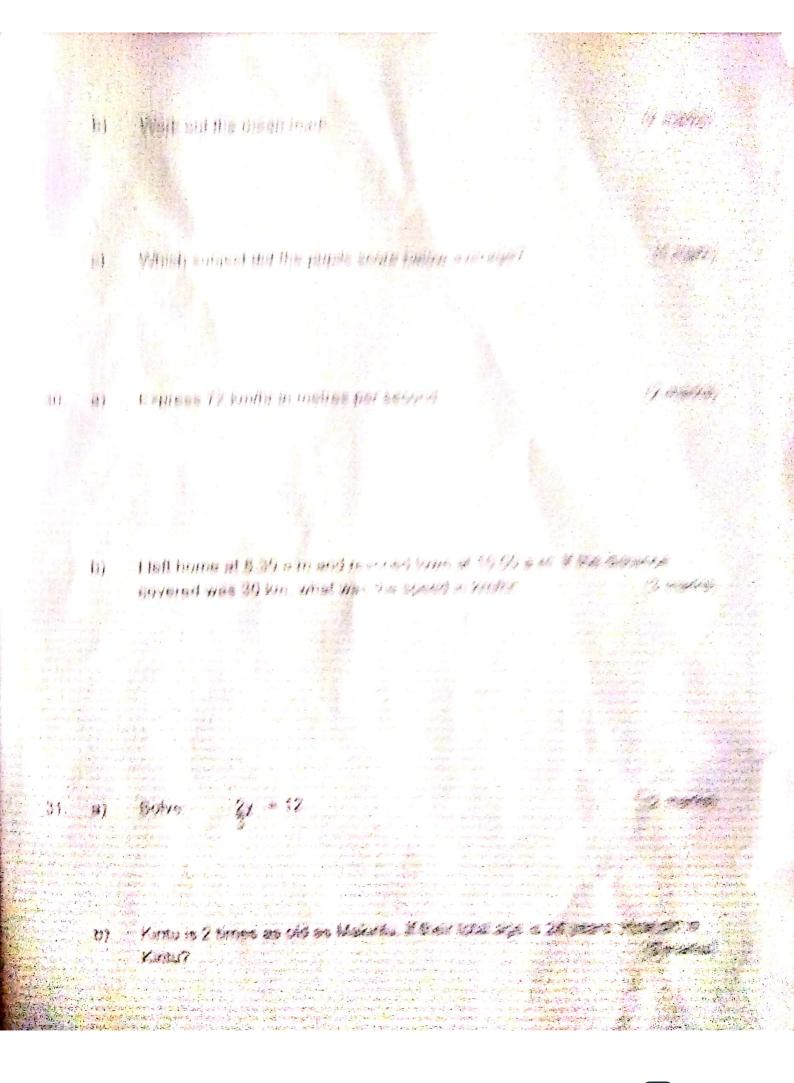
b) Apio was given a change of sh. 2500 after buying all the items. How much did he go with? (1 mark)

The table below shows the marks scored by a pupil in the different subject.

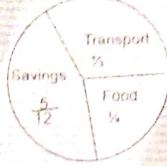
W. L. L.	Subjects	ENG	MATHS	SCI	S,S.T	R.E
	Marks	65	50	70	65	75

a) Find the mode.

(1 mark)



The pie - chart below shows how Mr. Wasswa spends his salary of sh. 240,000.



a) Express the sector for savings in degree

(1 mark)

b) Express the sector for food as a percentage.

(1 mark)

c) If he spends sh.120,000 on transport, how much will he earn as salary?

(3 marks)

d) How much will he spend on food?

(1 mark)