



SUCCESS INTEGRATED PRIMARY SCHOOL

Pre-Mock Examination (Set 4), 2020

Mathematics

Time: 2 hours 30 minutes

INDEX NUMBER

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NAME: _____

Signature: _____

School: _____

District: _____

FOR EXAMINER'S USE ONLY

A	
B	
TOTAL	

Read the following instructions carefully:

1. This paper is made up of section A and B.
2. Section A has 20 short answer questions (40 marks).
3. Section B has 12 questions (60 marks).
4. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink and diagrams should be drawn in pencil.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. No calculators are allowed in the examination room.

PARENT'S COMMENT	
SIGNATURE	
Date:	

SECTION A:(40 Marks)

1. Work out: $42 \div 2 =$

2. Write in figures: Nineteen thousand nineteen

3. Simplify: $6k - 7k - k$

4. After covering 4km of the journey, Namukasa still had $\frac{2}{3}$ of the journey to cover. How long was the journey?

5. Construct an angle of 330° .

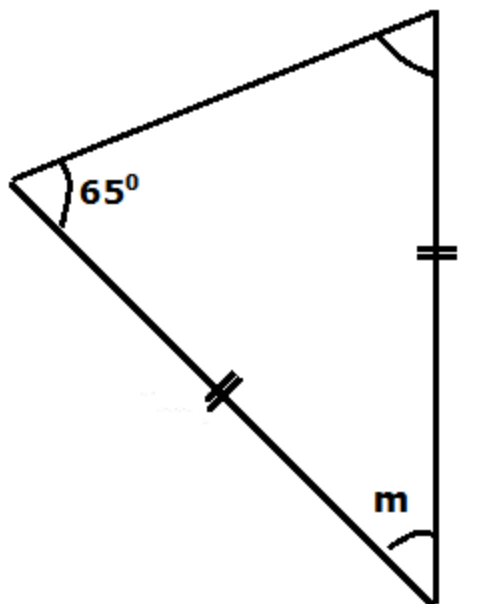
6. Simplify: $-6 - -10$

7. Given that $P = \{4, 6, 8, 9, 10, 12\}$ and $Q = \{0, 2, 4, 6, 7, 10\}$. Find $n(P \cup Q)$.



8. express 0.7272 as simplified common fraction.

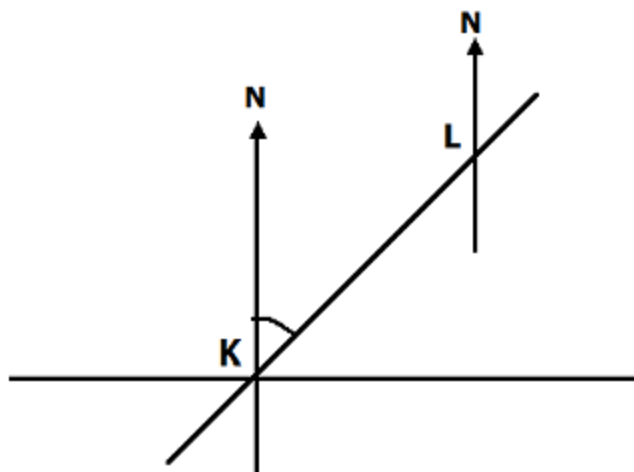
9. Find the size of the angle marked **m** in the figure below.



10. Find the next number in the sequence: 1 , 8 , 27 , 64 , _____

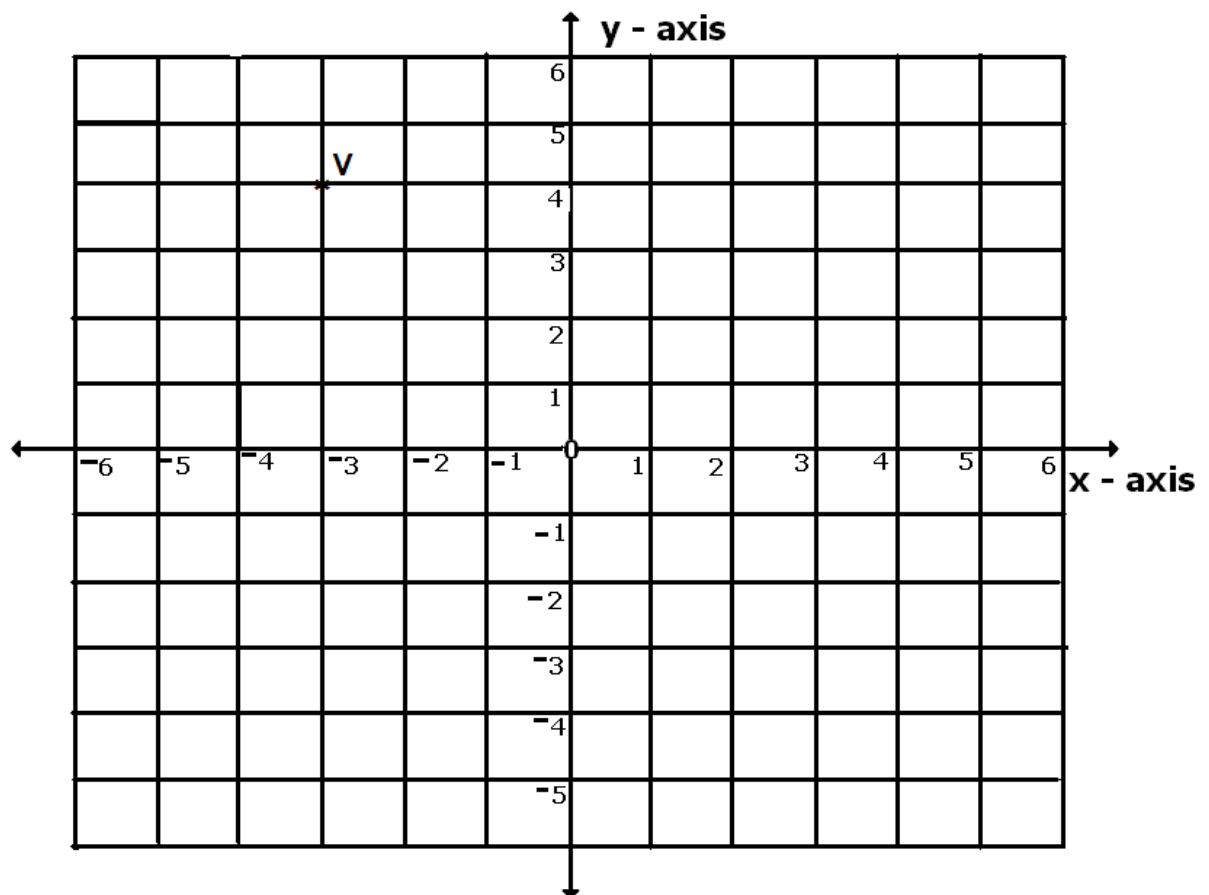
11. Cephas went to the bank and withdrew a fifty thousand shillings bundle with notes labeled from 0697900 to 0697999. How much money did he withdraw from the bank?

12. Find the bearing of point K from point L in the given diagram.



13. The time on the 12 hour clock is a quarter to one in the afternoon. Express the given time in 24 hour clock.
14. Change 45_{ten} to base three.
15. Express 49 in Roman numerals.

16. Use the coordinate graph to answer the questions about it.

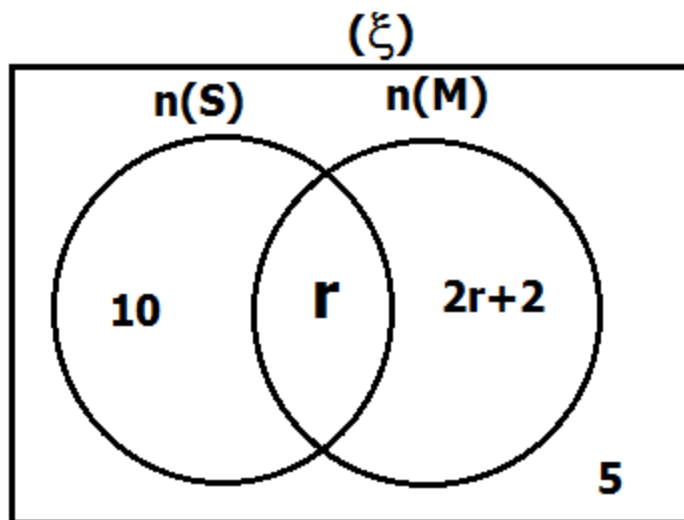


- (a) Give the coordinates for point **V**.
- (b) Plot point $W(4, -3)$ on the grid.
17. A cyclist moves at an average speed of 5m/s. Express the speed at which he moves to km/hr.
18. Decrease 40 goats at $2\frac{1}{2}\%$.

19. Today is Wednesday. It is 17 days from the day Lubowa visited his mother. What day was it?
20. The cost of 6 exercise books is Sh. 7200. Find the cost of 19 similar exercise books.

Section B

21. The Venn diagram below shows the number of pupils who like Mathematics (M), Science (S) and those who like neither of the two subjects in a class.



- (a) If 17 pupils like Mathematics, find the value of r .
- (b) How many pupils are in the whole class?

- (c) If a pupil is picked at random, from the class, what is the probability of picking a pupil who likes Mathematics only?

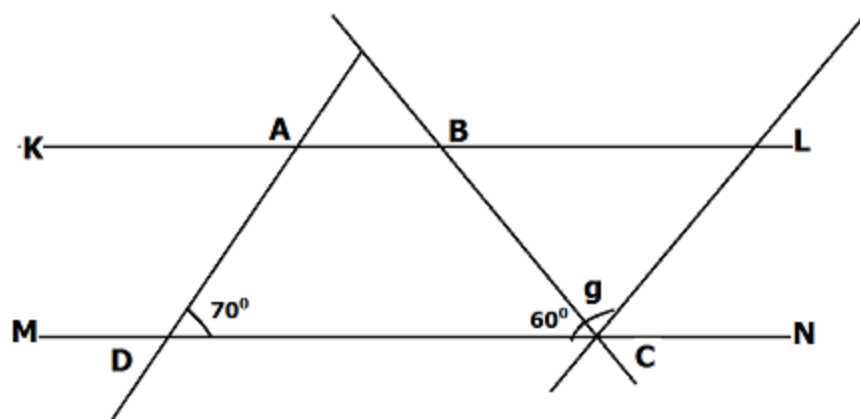
22. Nantamu went to the supermarket and bought items as shown in the table below.

Item	Unit cost	Amount
3 bars of soap	Shs. 3500	Sh. _____
_____ tins of B/band	Shs. 3000	Sh. 9000
750g of sugar	Sh. _____	Sh. 2400
Total Expenditure		Shs. _____

- (a) Complete the table.

- (b) If Nantamu was given a discount of 10%, how much did she pay for all the items?

23. In the figure below. KL is parallel to MN and ABCD is a quadrilateral with angle $ADC = 70^\circ$ and $BCD = 60^\circ$



- (a) Find the size of angle:

(i) DAB

(ii) angle **g**

24. **The table shows marks scored by candidates from Lubya Primary School in Mathematics Mock Examination.**

MARKS	70	60	95	73	80	50
NUMBER OF PUPILS	4	5	2	2	3	1

- (a) How many pupils sat for the mock examination?

(b) Find the mean score for the candidates who scored above 75.

25(a) Katongole is four times as old as his son. After six years, the difference in their ages will be 30 years. How old is Katongole?

(b) Solve: $4n - 3 = n$

26(a) Using a ruler, a pencil and a pair of compasses only, construct a triangle RST where angle SRT = 60° , RS = 7cm and RT = 6cm.

(b) Drop a perpendicular line from point T to meet line RS at M.

(c) Measure line MT.

27. Kasangati umea, Nansana C/U and Bweyogerere C/S shared pupils' desks in the ration of 5:3:2 respectively. If Kasangati Umea got 21 more desks than Bweyogerere C/S, how many desks were given out to the three schools?

(b) Simplify: $\frac{3.5 \times 2.5}{1.25}$

28. Musa was given a rectangular piece of woods measuring 63cm by 33cm to cut out circular pieces of wood with diameter 7cm as shown below.



(a) How many circular pieces of wood did he cut out?

(b) Calculate the area of the wood that remained.

29(a) Solve: $\frac{x+2}{3} = \frac{x-1}{4}$

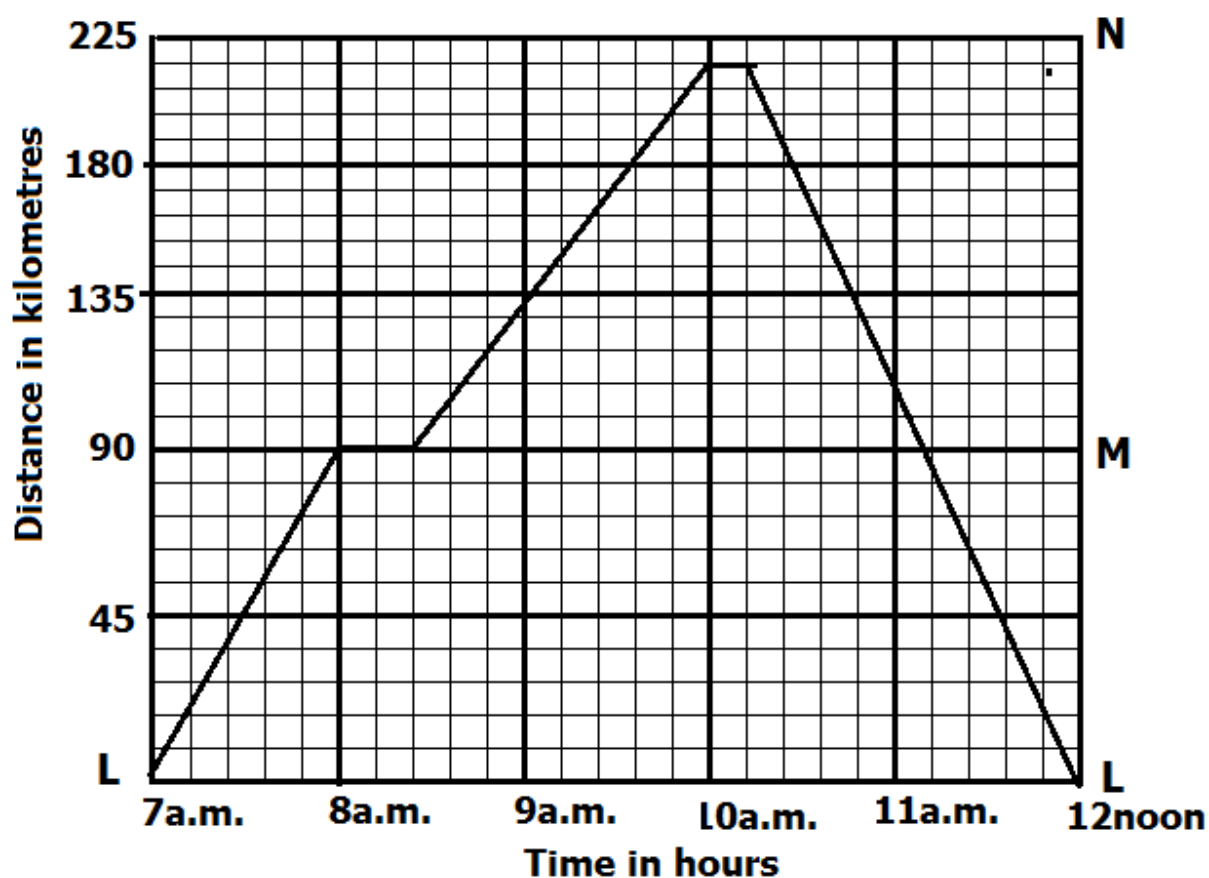
(b) If $P = 2$ and $k = -3$, find the value of $2p^2k$

30. On a fund-raising day at Namulonge Church of Uganda Primary School, $\frac{3}{5}$ of the pupils who entertained the guests were boys and the rest girls. $\frac{5}{9}$ of the boys were from middle and upper section. If 18 girls were among the pupils who entertained;

(a) How many pupils entertained the guests?

(b) How many boys were from the lower section?

31. The travel graph below shows Okia's journey from town L to town N through town M. Study it carefully and answer the questions about it.



(a) Find the scale on the vertical axis.

(b) For how long was the stop-over at town M?

- (c) Calculate Okia's average speed for the whole journey,

32. In a triangle ABCD below, $BC = 3\text{cm}$, $CD = 9\text{dm}$ and $AC = 5\text{dm}$. Find the area of the unshaded part.

