

KOLFRAM EDUCATIONAL SERVICES KAMPALA



END OF TERM ONE EXAMINATION

2023

PRIMARY SEVEN

MATHEMATICS

Time allowed: 2 hours 30 minutes

Index Number	Random number						Personal No.		

Candidate's Name:

Candidate's Signature:

School ID:

District ID:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read and follow these instructions carefully:

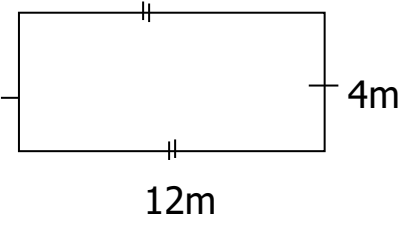
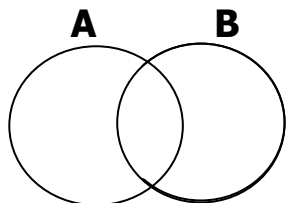
1. Do not write your **school** or **district name** anywhere on the paper.
2. This paper has **two** sections: **A** and **B**. Section A has **20** questions (40marks) and Section B has **12** questions (60 marks). The paper has **8** printed pages.
3. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Diagrams should be drawn in pencil.
5. Unnecessary crossing of work and any handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the boxes indicated; **For Examiner's use only.**

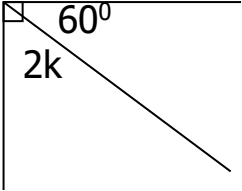
FOR EXAMINERS USE ONLY		
QN. NUMBER	MARKS	EXAMINER'S INITIAL
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25- 26		
27-28		
29- 30		
31- 32		
TOTAL		

A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA

A leading manufacturer and distributor of Kolfram premium workbooks, companion books, Kolfram textbooks for all classes, assessments, Past PLE Revision books and past PLE Revision workbooks and holiday packages

SECTION A: (40 MARKS)

1.	<p>Add: 5 8</p> <p style="margin-left: 100px;"><u> +2 2 </u></p> <p>_____</p>	2.	Express 49 in Roman numerals.
3.	<p>Find area of the figure below.</p> 	4.	<p>Find the next number in the sequence.</p> <p>1, 4, 9, 16, 25, _____</p>
5.	<p>Arrange the following fractions in order beginning with the smallest.</p> <p style="margin-left: 100px;">$\frac{2}{7}$, $\frac{2}{9}$ and $\frac{1}{3}$</p>	6.	<p>Shade A - B</p> 
7.	Round off 1769 to the nearest hundreds.	8.	Work out: $+8 - 2$
9.	Namuli sells a heap of 5 mangoes at shs. 1000. How much money does she get from a basket containing 30 mangoes ?	10.	Jalia, Edward, Shamsa and Jane are 11, 9, 15, 16 years old respectively. Find the range of their ages.

<p>11. Find the value of k in the figure below.</p> 	<p>12. Add: $\frac{1}{2} + \frac{1}{4}$</p>								
<p>13. Find the G.C.F of 18 and 24.</p>	<p>14. A box contains 411 biscuits. How many biscuits are in 7 such boxes?</p>								
<p>15. Convert 0.45km to metres.</p>	<p>16. Solve: $2p + 1 = 9$</p>								
<p>17. If $\textcircled{H} \textcircled{H} = 10$ balls, how many balls are represented by $\textcircled{H} \textcircled{H} \textcircled{H} \textcircled{H} \textcircled{H} \textcircled{H}$?</p>									
<p>18. Tom is wedding next week. What is the probability of wedding on a day that begins with letter 'S'?</p>	<p>19. Work out:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">Wks</td> <td style="text-align: right;">days</td> </tr> <tr> <td style="text-align: right;">4</td> <td style="text-align: right;">5</td> </tr> <tr> <td style="text-align: right;"><u>+ 2</u></td> <td style="text-align: right;"><u>4</u></td> </tr> <tr> <td style="text-align: right;">_____</td> <td style="text-align: right;">_____</td> </tr> </table>	Wks	days	4	5	<u>+ 2</u>	<u>4</u>	_____	_____
Wks	days								
4	5								
<u>+ 2</u>	<u>4</u>								
_____	_____								
<p>20. Kamuntu was facing East and turned through an angle of 135° anticlockwise. What was his new direction?</p>									

SECTION B: (60 Marks)

21. There are 120 pupils in a class. $\frac{2}{5}$ of them are girls and the rest are boys.

(a) How many girls are in the class? (2 marks)

(b) Find the fraction of boys. (1 mark)

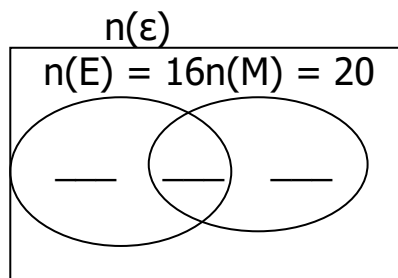
(c) How many more boys than girls are in the class? (2 marks)

22. **Study the shopping bill and fill the gaps.** (1 mark each)

Item	Quantity	Unit cost	Amount
Sugar	2kg	shs. 2500	shs. _____
Rice	3kg	shs. _____	shs. 9000
Bread	_____ loaves	sh. 4000	shs. 8000
Salt	500gm	sh. 2000	shs. _____
Total			Shs. _____

23. In a class, 16 pupils like English (E), 20 pupils like Maths (M) and 3 pupils like both English and Maths.

(a) Represent the above information on the Venn diagram below. (1 mark each)

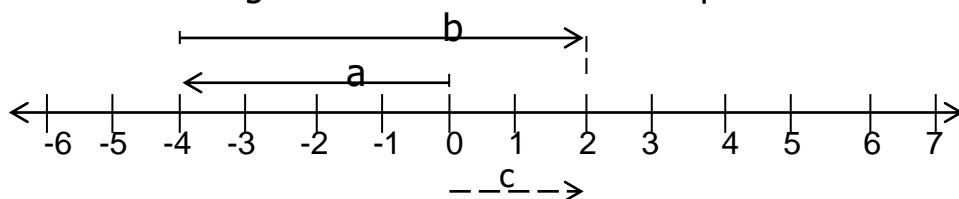


(b) Find $n(E \cup M)$ (1 mark)

(c) How many pupils like only one subject?

(1 mark)

24. Use the diagram below to answer the questions that follow.



(a) Find the value of;

(1mark each)

(i) a _____ ii) b _____ iii) c _____

(b) Write a mathematical statement represented on the above number line.

(2 marks)

25. Using a ruler, a pencil and a pair of compasses only, construct a regular hexagon in a circle of radius 3.5cm.

(5 marks)

26. **Study the figure below and answer questions that follow.**

13	w	11
x	y	12
z	14	7

(a) Find the magic sum. (1 mark)

(b) Find the value of (1mark each)

(i) w	(iii) y
(ii) x	(iv) z

27a) Write a quarter to eleven o'clock in the morning using (a.m. or p.m.) (1 mark)

(b) A man started digging at 7:30 a.m. and stopped at 10:10 a.m. For how long did he dig? (2 marks)

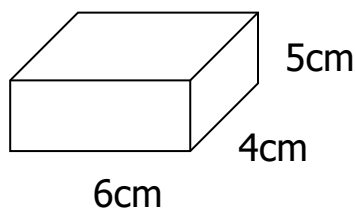
(c) A lorry travels 45km in one hour. How long will it take to travel 270km? (2 marks)

28a) Divide: $\underline{1} \div \underline{2}$

(b) Add: $0.35 + 3.5$

(2 marks)

29. **Below is a cuboid. Use it to answer questions that follow.**



- (a) Find the number of;
(i) edges

(1 mark each)

- (ii) vertices

(b) Find its volume.

(2 marks)

(c) Find its surface area.

(2 marks)

30a) Simplify: $6y - 3x - 2y + 5x$

(2 marks)

(b) Solve: $\frac{2a}{3} = 4$

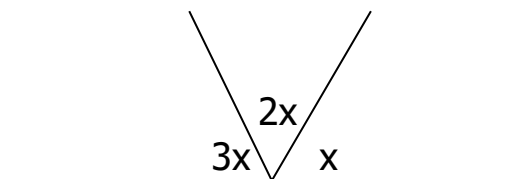
(2 marks)

(c) Given that $x = 2$, $y = 3$ and $z = 5$. Find the value of $\frac{y + z}{x}$

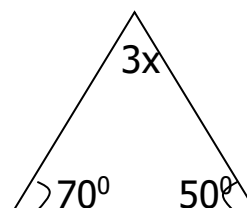
(2 marks)

31. Find the value of x in the figures below. (2 marks each)

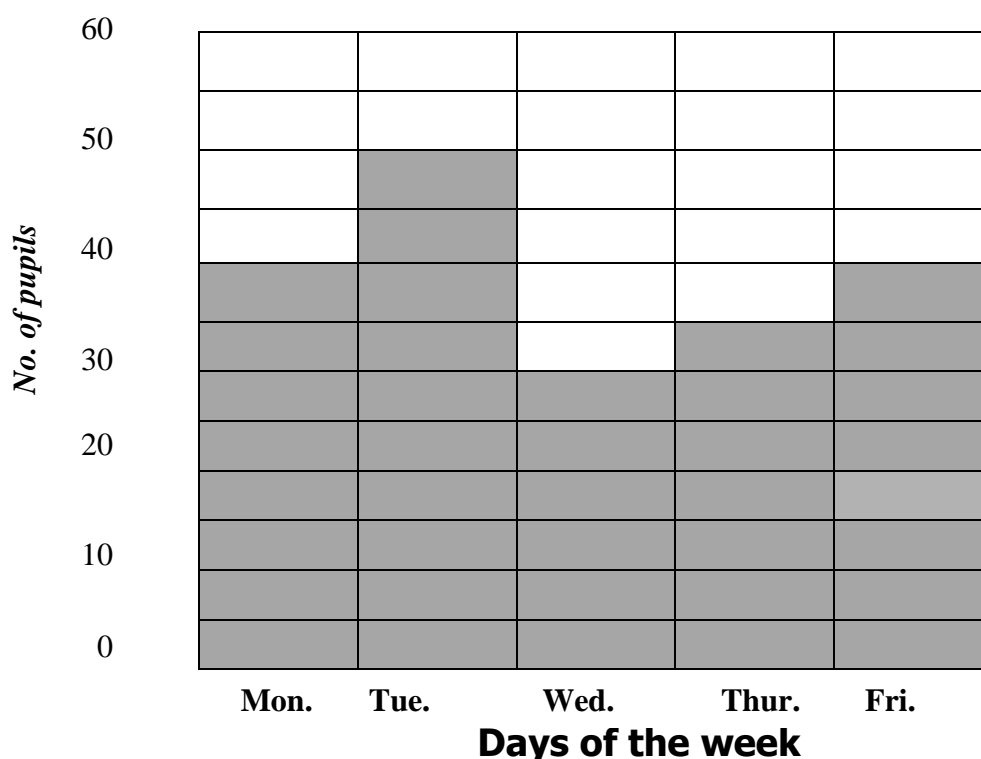
(a)



(b)



32. The graph shows the attendance of P.7 pupils third week of Pick Hill Primary school. Study the graph and use it to answer the questions that follow.



(a) How many pupils were present on Thursday? (1 mark)

Find the difference between the highest and lowest attendance in the week? (2 marks)

What was the average attendance for the week? (2 marks)