KAMPALA CAPITAL CITY AUTHORITY

DIRECTORATE OF EDUCATION AND SOCIAL SERVICES

PRIMARY SEVEN MOCK EXAMINATIONS 2026

MATHEMATICS

TIME ALLOWED: 2 HOURS 30 MINUTES

INDEX NUMBER: | | | | | | | | | |

CANDIDATE'S NAME: _____

SCHOOL: _____

DIVISION: _____

CANDIDATE'S SIGNATURE: _____

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

Read the following instructions carefully.

1. This paper is made up of two sections: **A** and **B**
2. Section **A** has **20** questions (**40** marks)
3. Section **B** has **12** questions (**60** marks)
4. Answer ALL questions in both sections **A** and **B**
5. ALL answers **MUST** be written in Blue or Black Ball - point pen or ink
6. Un-necessary alteration of work may lead to loss of marks.
7. All diagrams MUST be drawn in pencils.
8. Any handwriting that cannot be easily read may lead to loss of marks.
9. Do **not** fill any thing in the boxes shown ***"For Examiner's use only".***

FOR EXAMINER'S USE ONLY

QN. NO.	*MARKS*	*SIGN*
1 - 10		
11 - 20		
21 – 25		
26 - 30		
31 - 32		
TOTAL		

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TURN OVER

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SECTION A

1. **Workout:** 3-5+8×2÷4

2. Given that: **Set A** = {2,4,6,8} And **Set B** = {2,3,5,7,9}. List t Elements in the complement of ***AnB***.

3. Write **52** in Roman numerals

4. **Simplify:** $\frac{9}{8} \div \frac{9}{2}$

5. The table below shows the marks Scored by Jessy in five daily Mental work exercises each Marked out of 10.

Exercises	1st	2nd	3rd	4th	5th
Scores	4	6	7	5	6

Find Jessy's modal score.

6. **Workout:** $\bar{5} + \bar{6}$

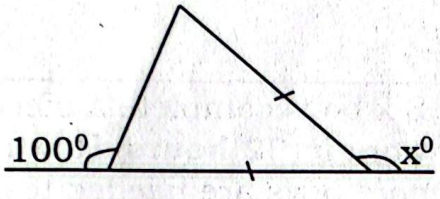
7. **Solve:** $y - \frac{y}{3} = 6$

8. Write: **'four thousand fifty nine'** in figures.

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9.	One **afternoon** Esther slept for **2** Hours and woke up at the time Shown on the clock face below.  At what time did she go to bed?	10.	Genevieve is **4.3**metres tall. What is her height in centimetres?
11.	**Work out:** $204_{five} + 344_{five}$	12.	Find the next number in the Sequence: 2, 4, 7, 12, 19, ____
13.	With the help of a ruler, sharp Pencil and a pair of compasses Only, construct an angle of **45^0** in the space below.	14.	Six boys complete a piece of work in **32 hours**. How many more boys are needed to complete the same piece of work in **12 hours**, working at the same rate?
15.	A circular fish pond has a diameter of **63** metres. Find the distance around the pond. (Use $\pi = \frac{22}{7}$) In cm	16.	One US dollar costs Uganda shillings **3,000**. How many US dollars Mutesi who has Uganda shillings **120,000** get?

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17.	Ali has a total of **24** bags of maize and beans in his store. If $33\frac{1}{3}$ % is maize, how many bags of beans are in the store?	18.	Using the distributive property only workout (5 x 8) – (5 x 2)
19.	Workout the size of angle marked **x** in degrees.  	20.	Find the solution set that satisfies the inequality below; ***3 < y < 8***

SECTION B

21.	**Workout:** $3 - (0.5)^2$	*(2marks)*	b.	**Workout:** $\frac{1.5 \times 0.3}{0.05}$	*(3marks)*

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22. Grace went shopping and bought the items shown in the table below.

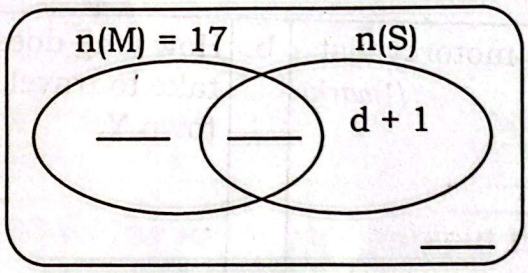
a. **Complete the table.** *(4marks)*

Item	*Quantity*	*Unit cost*	*Amount*
Sugar	1.5 kg	Shs. 2,000 per kg	Shs. .....
Soap	6 bars	Shs. ..... a bar	Shs.9,000
Rice	..... kg	Shs. 2,500 each kg	Shs. .....
		Total cost	**Shs. 17,000**

b. If she was given change of **shs. 3,100** how much did she have at first? *(2marks)*

23. In a school, **17** teachers teach mathematics ***(M),*** **8** teachers teach both science ***(S)*** and mathematics, while **(d – 2)** teachers teach neither of the mentioned subjects.

a. **Complete the Venn diagram below.** *(3marks)*



b. If **7** teachers do not teach mathematics, find the value of **d.** *(2marks)*

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24. Given that $p = 4$, $q = -2$, and $r = 5$

a. Find the value of $p^2 - qr$ (2marks)

b. Solve: $-3(e - 2) = e$ (2marks)

25. The table below shows how a motorcyclist travelled from town **W** to town **Z** through towns **X** and **Y**.

Study and use it to answer questions that follow.

Town **W**	Departure	8:00am
Town **X**	Arrival	9:45am
	Departure	10:00am
Town **Y**	Arrival	11:50am
	Departure	12:05pm
Town **Z**	Arrival	1:30pm

a. At what time did the motorcyclist leave town **W**. *(1mark)*

b. How long does the motorcyclist take to travel from town **X** to town **Y**. *(2marks)*

c. Find the total stoppage time of the motorcyclist. *(2marks)*

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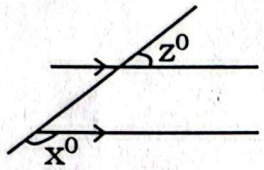
26. At a party, the ratio of men to women to children was **4:5:7** respectively If the total number of women and men at the party was **64;**

a. How many men attended the party? *(2marks)*

b. Find the number of children who attended the party. *(3marks)*

27. In the diagram below, angle **x** is twice angle **z**.

a. Find the size of angle **z**. *(2marks)*



b. Find the size of angle **x**. *(2marks)*

28. The table below shows the number of pupils and how they scored in a mathematics test. Study and use it to answer questions that follow.

Marks scored	40	60	50	90
No. of pupils	3	4	2	1

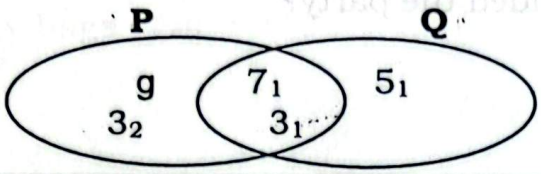
a. How many pupils sat for the test? *(1mark)*

b. Workout the average mark. *(3marks)*

c. How many pupils scored below the average mark? *(1mark)*

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29. The Venn diagram below shows the prime factors of two numbers **P** and **Q**. Study and use it to answer questions that follow.



a. Find the number represented by **Q**. *(1mark)*

b. Find the GCF of **P** and **Q**. *(1mark)*

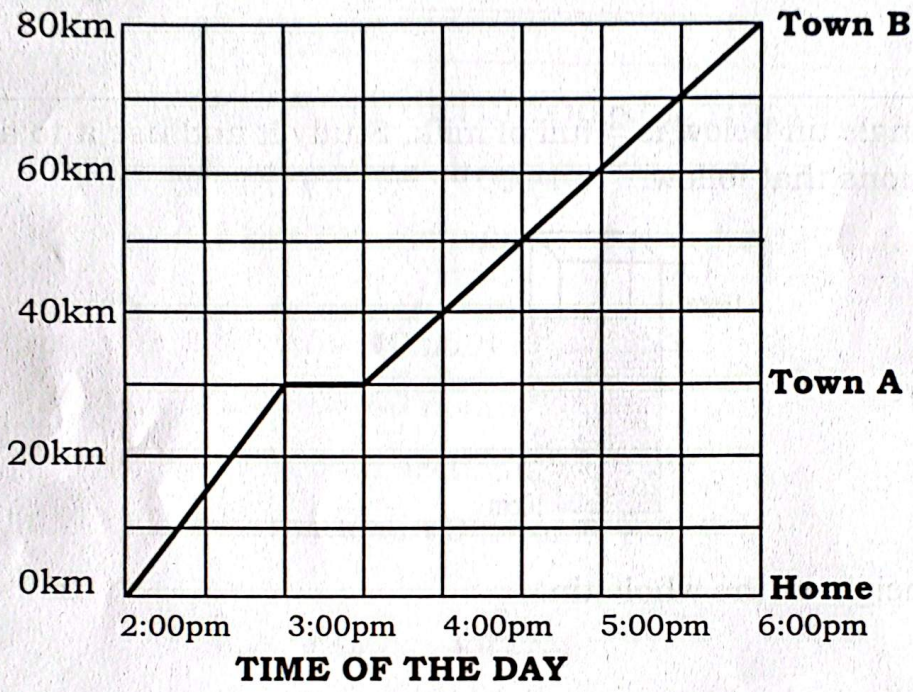
c. If the LCM of **P** and **Q** is **630**, find the value of **g**. *(2marks)*

30. a. With the help of a ruler, sharp pencil and a pair of compasses only, construct a triangle OPQ in which angle **OPQ = 45⁰**, line **PQ = 7cm** and angle **PQO = 30⁰**. *(4marks)*

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b. Find the area of the triangle **PQO**. *(2marks)*

31. The travel graph below shows Musa's journey from his home through town **A** to town **B**. Use it to answer the questions that follow.



a. At what time did Musa arrive at town **A**? *(1mark)*

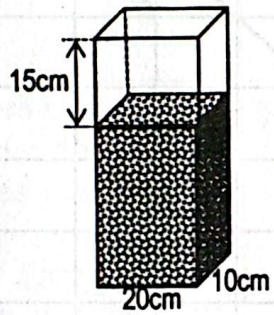
b. For how long did Musa stop at town **A**? *(1mark)*

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c. How far is town **A** from town **B**? *(2marks)*

d. Calculate Musa's average speed over the whole journey. *(2marks)*

32. The rectangle tin below is $\frac{2}{3}$ full of milk. Study it and use it to answer the questions that follow.

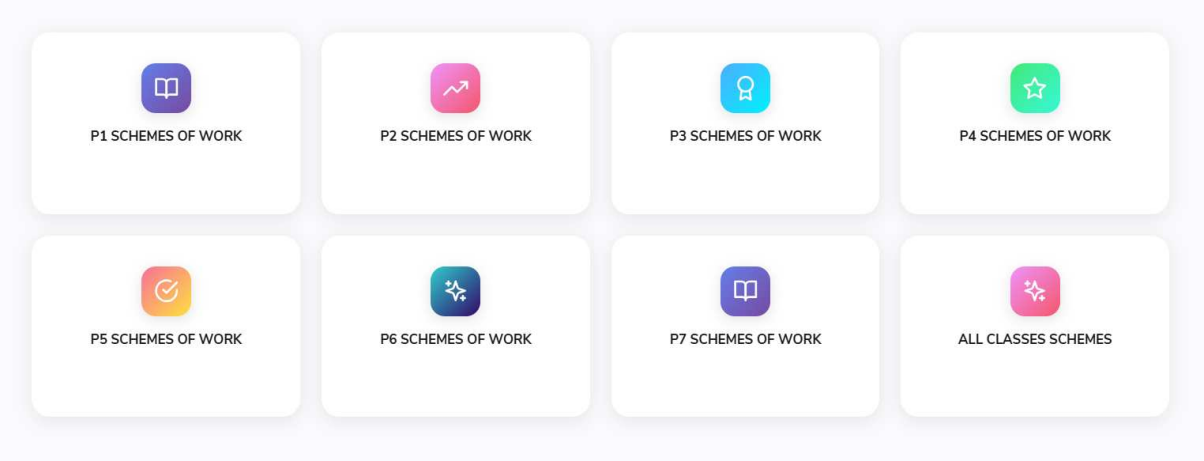


a. Find the height of the whole tin. *(2marks)*

b. Find the volume of the milk in the tin in **cm³** *(3marks)*

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