

THE MAHG KAMPALA EXAMINATIONS BOARD

END OF YEAR EXAMINATIONS 2024 PRIMARY SIX MATHEMATICS

Duration: 2hrs 15mins

NAME:	 	 	
SCHOOL:	 	 	
DISTRICT:			

Read these instructions carefully

- 1. This paper has two sections: A and B.
- 2. Section A has 20 questions (40 marks)
- 3. Section B has 12 questions (60marks)
- 4. Answer all questions. All answers to both sections A and B must be written in spaces provided.
- 5. All answers must be clearly written using blue or black ball point pen or ink.
- 6. Unnecessary changes of work may lead to loss of marks.
- 7. Any handwriting that cannot be easily read, may lead to loss of marks.
- 8. Do not fill anything in the boxes indicated for official use only

FOR EXAMINERS' USE ONLY				
PAGES	MARKS	EXR'S NO.		
Page 1				
Page 2				
Page 3				
Page 4				
Page 5				
Page 6				
Page 7				
Page 8				
TOTAL				

THE MAHG KAMPALA EXAMINATIONS BOARD

FOR ACADEMIC EXCELLENCE ALWAYS USE THE MAHG SCHEME FRAMEWORKS, HOLIDAY
PACKAGES, LESSON NOTES, AND TEXT BOOKS.

FOR MORE CONSULTANCE, CALL: 0775543444 / 0741976261/+256742697640

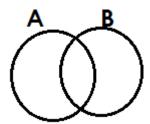
SECTION A (40 MARKS)

1.	Add: 27	+	1 3		2.	Simplify:	3a +	a – 2a
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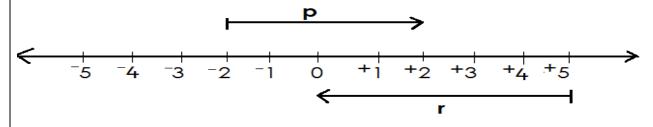
3. Workout:

$$\frac{3}{4}$$
 x $\frac{1}{2}$

4. Shade the region A – B.



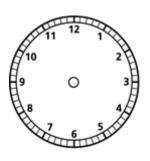
- 5. Without dividing, show which of these numbers **104** and **5070** is divisible by 3.
- A dice has faces numbered 1, 2, 3, 4, 5 and 6. If it is tossed once, what is the probability that a number less than 4 will appear on top?
- 7. Write the integers represented by letters **p** and **r** on the number-line below.



9.

$$\mathbf{r} = \underline{\hspace{1cm}}$$

- (ii) **p** = _____
- 8. Change 13_{ten} to base five.
- Show the time, **fifteen minutes to nine** o'clock on the clock face below.



10.		s 15 apples every any apples will she n four days?
12.	angle of 60°.	
13.	3. Find the next number in the pattern below. 1, 2, 4, 5, 7,	5.
15.	The ratio of girls to boys in a class of 56 pupils is 3:4 the number of girls in the class.	respectively. Find
16.	In the diagram below, AB is parallel to CD. Find and	gle P.

17.	Apio slept at 9:30pm for 2 hours. What time did she wake up?	18.	Solve for y: 3y = 15.
19.	The cost of 6 books is shs. 5400. How many such books will Mbatia buy with shs. 9000? SECTION E	20.	Find the mean of; 3x, 6, x and 2.
21		umbe	er of pupils in the three streams in
	Streem Number present P.6 Yellow		Key = 15 pupils = 8 pupils
a)	How many pupils are in P.6 rec	d?	(1mk)
b)	How many more pupils are in P.6 yellow than in blue? (2mks)	C.	Find the total number of pupils in P.6 class. (2mks)

22	Write MIX in Hindu – Arabic numerals. (2mks)	b)	Subtract the value of 7 from the value of 3 in the number; 3 7 2 1 . (3mks)
23	Simplify: (3mks) 0.12 x 5.4 0.03 x 0.6	b)	Express 0.025 as a common fraction in its simplest form. (2mks)
24.	 The exchange rates in a bank 1 US dollar (\$) = Ug. Shs. \$ 1 Kenya shilling (K.shs) = U 	3600	
a)	Convert Kenya shillings 900 to Uganda shillings. (2mks)	b)	Of a TV set costs Uganda shillings 720,000, find the equivalent cost of the TV set in dollars. (2mks)
25)	Study the figure below and us 2m m	e it to	anwer the questions that follow.
a)	Find the value of M . (3mks)	b)	Using the value of M you have found, find the size of angle marked 3m . (2mks)

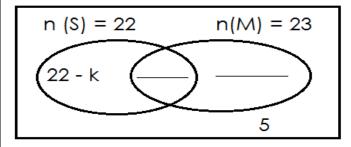
26.	a) Solve for b: $3b - 4 = 11$ (2mks)	
	(2mks)	

Okello is 6 years younger than his sister Opio. If their total age is 30 years, how old is each child? (3mks)

- 27. In a class of 40 pupils, 23 like mathematics (M), 22 like Science (S), 5 like neither of the two subjects.
 - a) Complete the venn diagram below.

(2mks)

$$n(\varepsilon) =$$



b) Find the value of **K**.

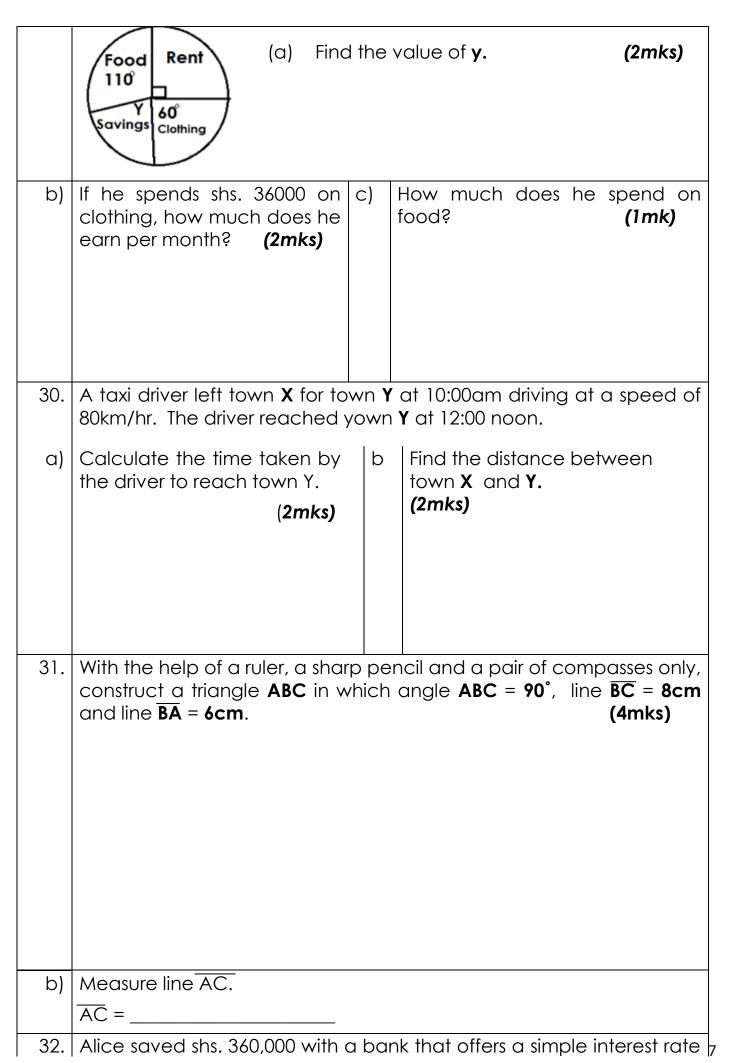
(mks)

- 28. A rectangular garden whose length is 15m has an area of 60m². -
- a. Find its width.

(2mks)

b. Calculate the total distance around the garden. (2mk)

29. The pie chart below shows how Matata spends his monthly salary.
Study it carefully and answer the questions that follow.
The MAHG Kampala Examinations Board



	of 10% per year.	
a)	Calculate the total interest after 3 years.	(3mks)
b)	Calculate the total amount of money Alice will have in that after 3 years.	he bank 2mks

E N D