

RAPHA EXAMINATIONS BOARD

e-mail: raphaexaminationsboard@gmail.com

contacts: 0778710993/0740540111

P.6 END OF TERM ONE EXAMINATIONS 2024 MATHEMATICS

Time allowed: 2 hours 30 minutes

Pupil's name:	
Signature:	Date
School name:	
District:	

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- 1. This paper has two sections **A** and **B**
- 2. All the working in both sections **A** and **B** should be shown in the spaces provided
- 3. All working must be done using blue or black ball point pen or fountain pen. Diagrams **MUST** be drawn in pencil
- 4. Unnecessary changes of work may lead to loss of marks
- 5. Any handwriting that cannot be easily read may lead to loss of marks
- 6. Do not fill in anything indicated for *examiners use only* and those inside the paper

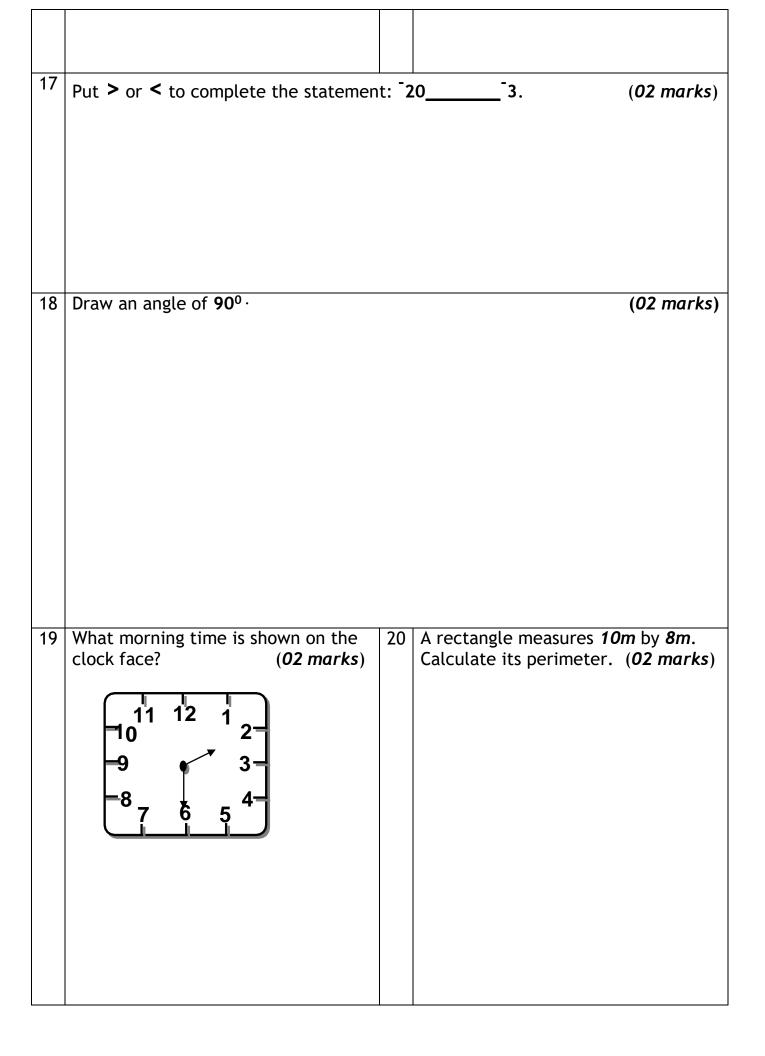
For examiner's use only

SECTION	MARKS	INITIALS
SECTION A		
SECTION B		
TOTAL		

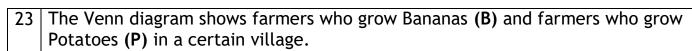
(SECTION A. (40 MARKS)

	<u>ĮSECTION A.</u>		
1	Work out: 68 +12. (02 marks)	2	If A = { a, e, i, o, u } and B = {4, 5, 6, 7, 8}, describe set A and B. (02 marks)
3	Write 649 in Roman numerals. (02 marks)	4	Find the square root of 400 . (<i>02 marks</i>)
5	A woman had 4 kg of sugar in her tin 5 She used a quarter of it. Find how much sugar she was left with.	6	Arrange in ascending order: -6, -2, -4, 0, -1. (02 marks)
7	Calculate the average of 4 , 0 , and 23 . (<i>02 marks</i>)	8	How many lines of folding symmetry has the figure? (02 marks)

9	A lesson starts at 7: 30am and ends at 8:20am .For how long does it last? (02 marks)	10	Express 3½ kg in grammes. (02 marks)
11	(02 marks)	12	subsets of R. (02 marks)
13	Write 92,440 in words. (<i>02 marks</i>)	14	Find the GCF of 16 and 20. (02 marks)
15	Work out: 4 8 7 x 3 6 (02 marks)	16	How many quarter litres are in two litres? (02 marks)



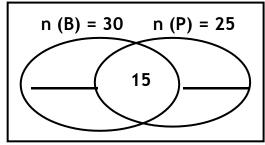
	SECTION B. (60 MARKS)	
21	(a) Write 7908 413 in expanded form using values.	(02 marks)
	(b) What is the place value of 5 in the number 185792 ?	(01 mark)
		02 marks)
22	Annet had sh 80,000. She gave sh 6500 to Aisha and she shared the equally among her three sons. (a) How much did Annet remain with after giving some money to Aisha and she shared the equally among her three sons.	
	(b) How much did each son get?	(02 marks)
	(c) If one son's share is added to what Aisha got what does it become	e? (02 marks)



(a) Complete the Venn diagram correctly.

(**02** marks)





(c) Find
$$n(B \cap P)^{I}$$
 (02 marks)

24 (a) Find the sum of the first five consecutive square numbers. (02 marks)

(b) The *LCM* and *GCF* of two numbers are **24** and **4** respectively. If one of the numbers is **12**, find the other number. (*02 marks*)

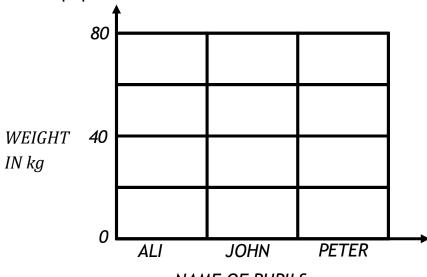
25	(a) A lorry covered 160km in 2 hours. Calculate its speed in km/hr .	(02 marks)
	(b) How many minutes are in 2 hours 40minutes?	(03 marks)
26	(a) Add: Litres ML 5 968	(02 marks)
	<u>+ 3 420</u>	
	(b) Work out the area of the figure in square centimetres 80cm 4m	(03 marks)

27	(a) Use a radius of 2.5cm to construct a regular hexagon in the s	pace below. (03 marks)
	(b) Name the shape shown in the figure.	(01 mark)
	(b) Name the shape shown in the rigare.	(ermann)
	Measure the angle shown in the figure.	(01 mark)
	Δ	
28	(a) Simplify: 4a - 2y + a + 3y .	(02 marks)
	(b) Solve for x: if $5x - 3 = x + 13$.	(03 marks)

20	Three pupils had their weights recorded in the table below.
LJ	Timee pupits had their weights recorded in the table below.

PUPIL	WEIGHT IN KG
ALI	40
JOHN	60
PETER	50

(a) By shading show the information to form a graph showing the weights of the three pupils. (**03** marks)



NAME OF PUPILS

(b) What is the average weight of the pupils?

(**02** marks)

(a) Work out:
$$\frac{5}{8} - \frac{1}{4} + \frac{1}{2}$$

(03 marks)

(b) Express 25 as a mixed number.

(**02** marks)

