



# **RAPHA EXAMINATIONS BOARD**

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## **P.4 MID TERM TWO EXAMINATIONS**

### **2024 MATHEMATICS**

**Time allowed: 2 hours 30 minutes**

**NAME:** \_\_\_\_\_

#### **FOR EXAMINER'S USE ONLY.**

Date \_\_\_\_\_

<b>A</b>	
<b>B</b>	
<b>TOTAL</b>	





#### **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.**

## SECTION A

1. Workout: 
$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

2. Workout: 
$$\frac{3}{7} + \frac{2}{7}$$

3. Given that  stands for 4 cups.  
How many cups are represented by  
   ?

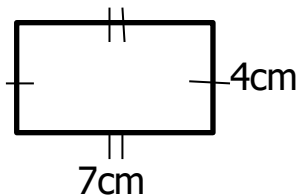
4. Expand 934 using values.

5. Find the LCM of 4 and 3.

6. Find the missing number.

$$\square - 4 = 6$$

7. Find the area of the figure below.



8. Find the next number in the sequence below.

1, 4, 7, 10, 13, \_\_\_\_\_

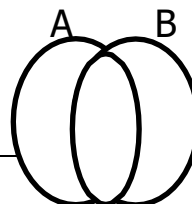
9. Write 32 in roman numerals.

10. Workout: 
$$\begin{array}{r} \text{KM} \qquad \text{M} \\ 8 \qquad 400 \\ + 1 \qquad 540 \\ \hline \end{array}$$

11. Name the solid shape.



12. Shade AnB on the Venn diagram below.

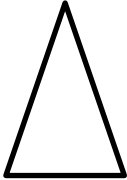

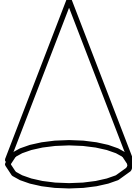
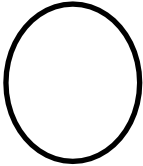




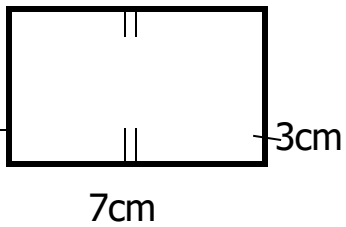
<p>22. a) Write in short (2mks)</p> $(4 \times 1000) + (5 \times 100) + (6 \times 1)$	<p>b) Represent the answer in (a) on the abacus below. (2mks)</p> <div style="text-align: center;"> <div>TH      H      T      O</div> <div> <div style="display: inline-block; width: 10px; height: 150px; border-left: 1px solid black; margin: 0 10px;"></div> <div style="display: inline-block; width: 10px; height: 150px; border-left: 1px solid black; margin: 0 10px;"></div> <div style="display: inline-block; width: 10px; height: 150px; border-left: 1px solid black; margin: 0 10px;"></div> <div style="display: inline-block; width: 10px; height: 150px; border-left: 1px solid black;"></div> </div> <div style="text-align: center; margin-top: 10px;"> <hr style="width: 100%; border: 0.5px solid black;"/> <hr style="width: 100%; border: 0.5px solid black;"/> </div> </div>
<p>c) Kato is IX years old. Write his age in Hindu Arabic numerals. (1mk)</p>	
<p>23. Given that 4, 7, 2.</p> <p>a) Form the largest number using the above digits. (1mk)</p>	<p>b) Form the smallest number using the above digit. (1mk)</p>
<p>c) Expand the largest number formed using values. (2mks)</p>	

24. Name the shapes. (4mks)

a)

b) Find the perimeter of the shape below. (2mks)



25. Find and fill in the missing number.

(2mks each)

i)  $\square + 3 = 7$

ii)  $\square \times 3 = 18$

iii)  $\square - 2 = 5$

<p>26. a) Write <math>\frac{2}{3}</math> in words. (1mk)</p> <p>_____</p>	<p>b) Shade <math>\frac{3}{10}</math> in the diagram. (2mks)</p> <div style="border: 1px solid black; height: 40px; width: 100%; position: relative;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: white;"></div> </div>										
<p>c) Workout: <math>\frac{7}{12} - \frac{3}{12}</math> (2mks)</p>											
<p>27. Study the price list below carefully and answer the questions that follow.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%; padding: 5px;">Item</th> <th style="width: 70%; padding: 5px;">Price</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">1kg of sugar</td> <td style="padding: 5px;">Sh. 5,000</td> </tr> <tr> <td style="padding: 5px;">1 bar of soap</td> <td style="padding: 5px;">Sh. 6,000</td> </tr> <tr> <td style="padding: 5px;">1kg of flour</td> <td style="padding: 5px;">Sh. 4,000</td> </tr> <tr> <td style="padding: 5px;">1 ruler</td> <td style="padding: 5px;">Sh. 1,000</td> </tr> </tbody> </table>	Item	Price	1kg of sugar	Sh. 5,000	1 bar of soap	Sh. 6,000	1kg of flour	Sh. 4,000	1 ruler	Sh. 1,000	<p>a) What is the most expensive item on the list? (1mk)</p>
Item	Price										
1kg of sugar	Sh. 5,000										
1 bar of soap	Sh. 6,000										
1kg of flour	Sh. 4,000										
1 ruler	Sh. 1,000										
<p>b) How much would Allan pay for all the items on the list. (2mks)</p>	<p>c) Find the amount of money Emma will pay for a bar of soap and a kilogram of sugar. (2mks)</p>										

28. Complete the magic square below sensibly.

(4mks)

7	_____	5
_____	4	_____
3	8	1

29. Emma is 13 years old. John is 17 years old.

a) Find their total age. (2mks)

b) How old will John be in 2 years to come? (2mks)

c) How old was Emma 3 years ago?

(2mks)

30. Use symbols  $+$ ,  $-$ ,  $\times$ ,  $\div$  to complete the following. (1mk each)

a)  $3 \underline{\hspace{2cm}} 2 = 6$

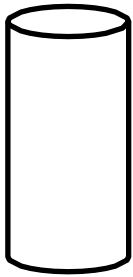
b)  $9 \underline{\hspace{2cm}} 3 = 3$

c)  $10 \underline{\hspace{2cm}} 4 = 14$

d)  $8 \underline{\hspace{2cm}} 0 = 8$

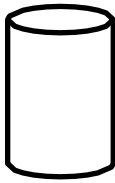
31. Study the diagram below and use them to answer questions.

Tank A



200 litres

Tank B



100litres

a) Which tank holds more water?

(1mk)

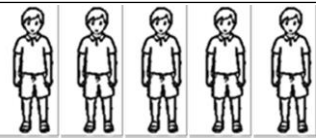
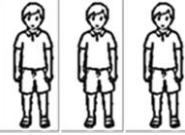
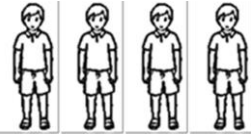
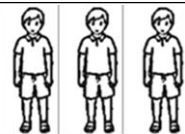
b) How many litres are there in tank A and tank B altogether? (2mks)

c) Find the difference in litres between tank A and tankB.

(2mks)



32. Study the pictograph and answer the questions.

Class	Boys
P 1	
P 2	
P 3	
P 4	



Scale:  stands for 10boys.

a) Find the number of boys in primary one. (2mks)

b) Which class has the biggest number of boys? (1mks)

c) Which two classes have the same number of boys. (2mks)