

THE **ONLINE SHARING EXAMINATIONS BOARD 2023**

**END OF TERM III EXAMINATIONS 2023**

**P.5 MATHEMATICS**

*Time: 2hrs 30mins*

Name.....

School.....

Signature.....

District.....

SECTION A

1. Multiply:  $23 \times 3$

6 Work out  $13 - 17 + 3$

2. Write in short  $7000 + 300 + 90 + 9$

7 Draw a symbol of equivalent sets in the space below.

3. Express 39 in Roman numerals.

8 What is the square of 9?

4. Solve:  $n + 7 = 13$

9 Alex read a story of 45 words. How many words will he have read if he read 5 such stories?

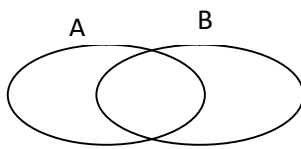
5. Simplify:  $m + m + m - 2m$

10. What is the largest angle between South and North East?

11. Sarah is 12 years old and Kato is 5 years older than Sarah. How old is Kato?

12. What is the reciprocal of  $\frac{2}{3}$ ?

13. Shade A or B



14. Subtract: 0.9 from 99.

15. What is the complement of  $35^{\circ}$ ?

16. Change  $34_{\text{five}}$  to base ten.

17. Work out:  $\frac{7}{10} - \frac{5}{10}$

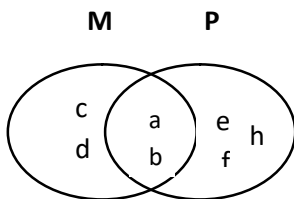
18. A lesson started at 8:30am and ended at 9:10 am. How long did it take?

19. Pupils of P.5 scored the following marks in their end of term exam; 40, 70, 50, 60. Calculate their range marks.

20. Write the place value of each digit in the number 675.

### SECTION B

21. Study the venn diagram below and answer questions that follow.



a) Find the number of elements in set P (1mark)

b) List the elements in  $M \cap P$  (1mark)

c) Find  $n(P-M)$  (1mark)

d) Find  $n(M \cup P)$  (2marks)

22. Given the digits 7, 0, 9.

a) Write all the three digit numerals that can be formed using the above digits. (2marks)

b) Find the sum of the even numerals formed in (a) above. (2marks)

23. Using a ruler, a pencil and a pair of compass only, construct the equilateral triangle whose side is 3cm. (4marks)

24. a) Convert  $20_{\text{ten}}$  to base five. (2marks)

b) What is the place value of 2 in  $421_{\text{five}}$ ?



c) Work out:  $4210_{\text{five}}$

$$\begin{array}{r} -3412_{\text{five}} \\ \hline \hline \end{array}$$

25. Okello went shopping and bought the following items.

**2 kg of meat at sh.6,000/= per kg**

**1 litre of petrol at sh.6,000/=**

**4 kg of maize flour at sh.2,400/= per kg**

**$\frac{1}{2}$  of salt at sh.2,000/=**

a) How much money did Okello spend altogether? (4mks)

27. In a class, 0.7 are girls and the rest are boys.

a) Find the fraction for boys. (1mk)

b) Find the total number of pupils in the class if the boys are 30. (2mks)

b) If he had sh.30,000/= at the beginning. What was his change? (2mks)

26.a) Convert 3hrs to minutes. (1mk)

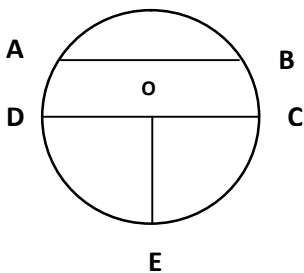
b) Work out: (2mks)

	Hrs	Mins
	8	45
	+ 2	20
	<hr/>	
	<hr/>	

c) Work out: (2mks)

	Hrs	Mins
	6	20
	-3	40
	<hr/>	
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29. Use the figure below to answer the questions that follow



a) Name the lines (1mk each)

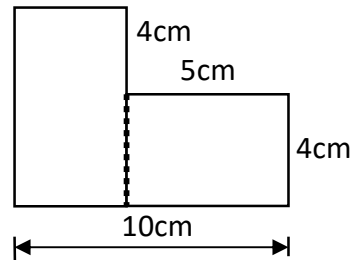
AB= \_\_\_\_\_ DC= \_\_\_\_\_

OC= \_\_\_\_\_ (2mks)

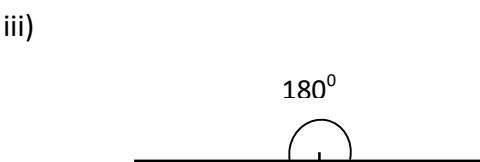
b) If line OE is 3cm, find the diameter of the circle above.

c) How many more girls than boys? (2mks)

28. Find the area of the figure below. (4mks)



b) Name the types of angles below. (1mk each)

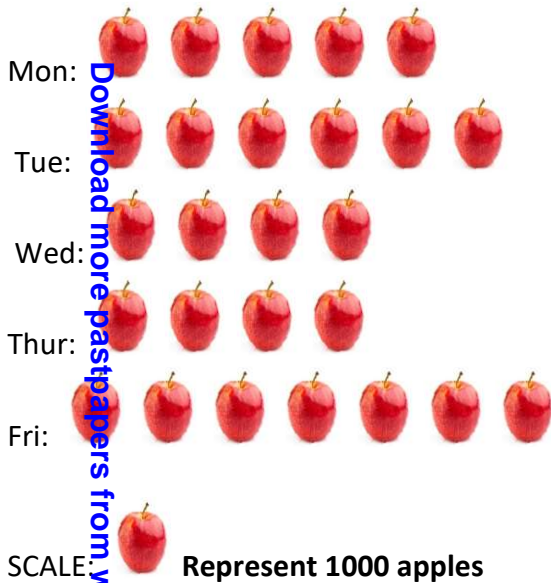


30. Complete the base five subtraction table below.  
(please show working)

-	10	4	3	2
10	0	___	___	3
4	1	___	1	___
3	___	1	___	1

31.a) Allen was facing North. She turned clock wise to South East. What angle did she make? (2mks)

32. The pictograph below shows apples imported from South Africa. Study it and answer questions



a) What is the scale of this week? (1mk)

b) On which day were the same number of apples imported?

c) How many apples were imported each day?

d) Find the total number of apples imported for a week.

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◇ END ◇

**\*MERRY X-MASS AND A HAPPY NEW YEAR 2024\***

