SURE KEY EXAMINATIONS BOARD

PRIMARY FIVE QUALITY CHECK THREE EXAMINATION

2023

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Admission No.						Personal No.		

Pupil's Name: .....

Pupil's Signature: .....

School Name: .....

District Name:.....

Read the following instructions carefully:

1. Do not forget to write your **school** and **district name** on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions. The paper has **12 printed pages** altogether
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. **No calculators** are allowed in the examination room.
6. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated: **"For Examiners' Use only"** and boxes

FOR EXAMINERS´ USE ONLY		
Qn.No.	**MARKS**	**EXR´S NO.**
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

SECTION A: 40 MARKS

Answer **all** questions in this Section

Questions **1** to **20** carry two marks each

1. Workout: 17 + 121

2. What is the place value of 3 in the number 24.432

3. Given that Set B = {q, r, s}. How many subsets can be got from Set B?

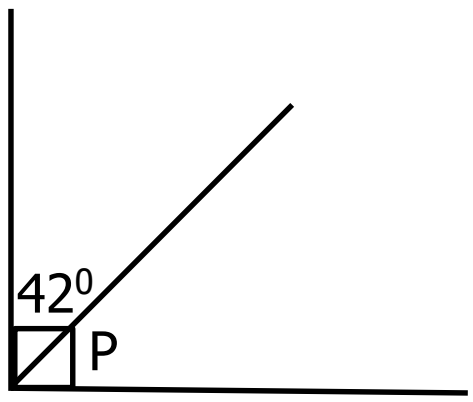
4. Workout:
$$\begin{array}{r} 1\ 0\ 1\ 1_{two} \\ -\ 1\ 1\ 1_{two} \\ \hline \\ \hline \end{array}$$

5. What number has been expanded to give
$(4 \times 10^2) + (6 \times 10^1) + (2 \times 10^0)$.

6. Solve for p: $3p + 4 = 13$.

7. In a box there are 5 blue pens, 6 black pens and 4 green pens. What is the probability of picking a black pen from the box at random?

8. In the figure below, Find the value of **P** .



9. Find the value of P.

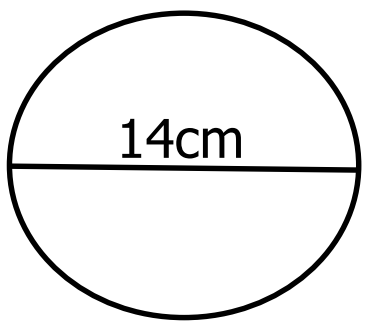
$4 + 3 = P \pmod 6$

10. A driver moved at a speed of 75km/hr for 3hours. Find the distance he covered.

11. In the space provided below, draw an angle of 55^0.

12. A trader bought a phone at sh.65000 and sold it at sh.70000. Find the trader's gain.

13. Given that a radius is half way of the line in a middle of the circle. Find the radius of the circle below.



14. Musa a seller of milk had 40 litres of milk and sold it using small bottles each measuring $\frac{1}{2}$ litres. How many full bottles of milk did he sell?

15. Workout : $2\frac{2}{3} \div \frac{1}{4}$

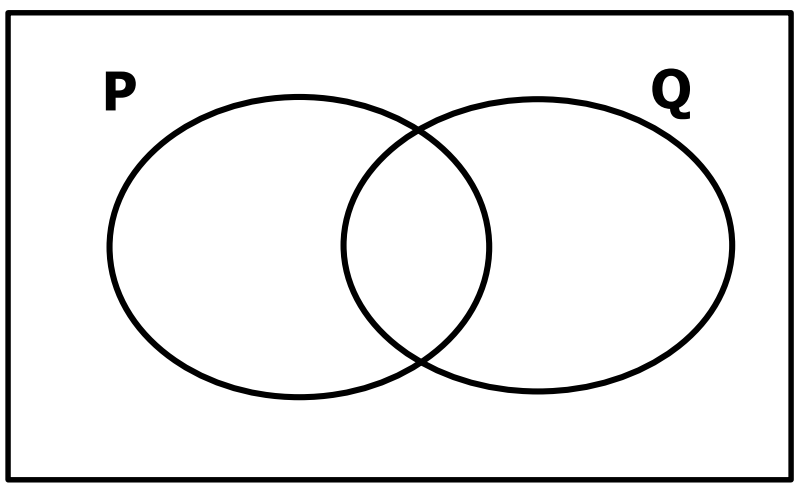
16. Joan was born in 1994 and died in January, 2023. Write Joan's age before dying in Roman Numerals.

17. Patrick reached home at 6:20p.m. If he left school at the time shown on the clock face below. For how long did he stay on the way?

18. Workout the product of the missing prime numbers in the sequence below.

7, ……., 13, 17, 19, …….

19. Shade the complement of P ∩ Q in the Venn diagram below.



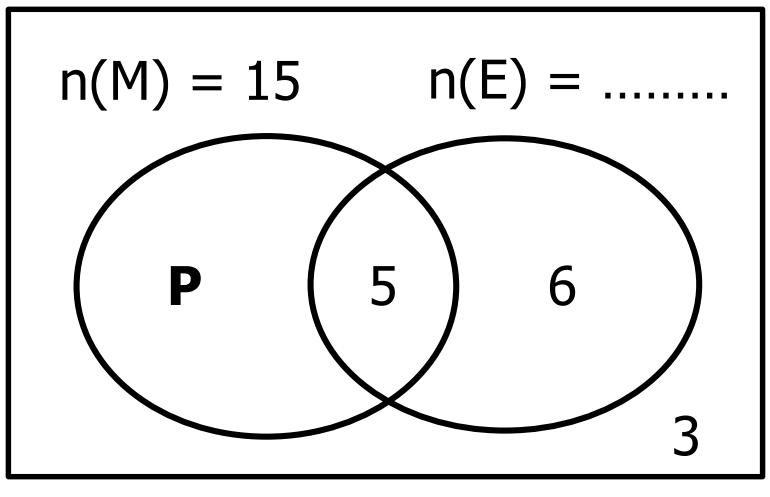
20. Round off 4506 to the nearest hundreds.

SECTION B: 60 MARKS

Answer **all** questions in this section

Marks for each question are indicated in brackets.

21. Study the Venn diagram below and use it to answer the questions that follow.



(a) Find n(E) (01 Mark)

(b) Find the value of **P**. (02 Marks)

(c) How many pupils dislike Mathematics? (01 Mark)

(d) How many pupils are in the whole class? (02 Marks)

22. (a) What is the G.C.F of 12 and 8 (02 Marks)

(a) Find the smallest number of sweets when shared by 12 boys and 15 girls leaves no remainder.

(03 Marks)

23. (a) Using a ruler, a pencil and a pair of compasses, construct a Square ABCD of sides 5cm. (04 Marks)

(b) Find the area of the above quadrilateral. (02 Marks)

Turn Over

24. (a) Workout:

Week	Day
5	6
+ 4	5

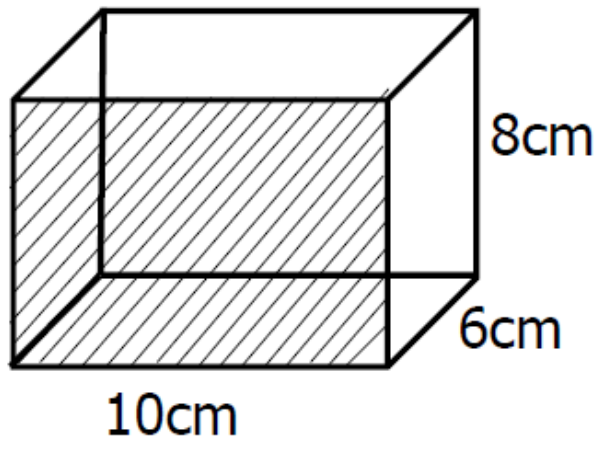
(02 Marks)

(b) Subtract.

HR	MIN
7	25
- 4	50

(02 Marks)

25. (a) Study the figure below and use it to answer questions.

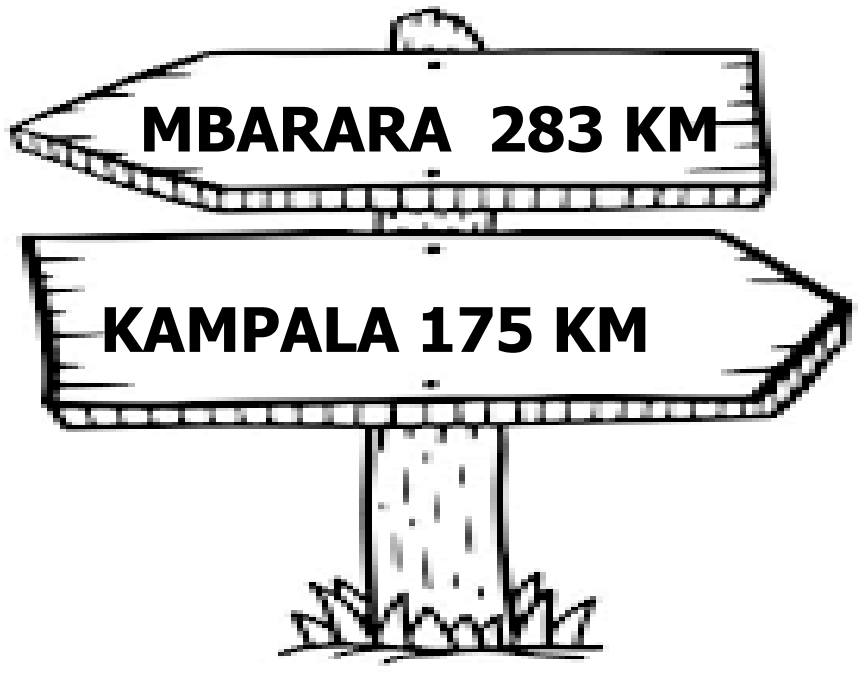


(a) How many more edges than vertices has the figure above? (01 Mark)

(b) Find the perimeter of the shaded face. (02 Marks)

(c) Find the total sum of all edges of the figure. (03 Marks)

26. The sign post below was found on the roundabout in Masaka on Masaka Mbarara Highway.



(a) Calculate the total distance from Kampala to Mbarara. (02 Marks)

(b) Convert the total distance from Kampala to Mbarara to metres. (02 Marks)

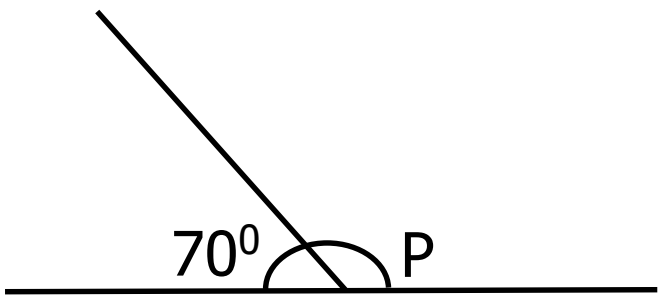
27. Deborah was 11 years three years ago and Denis will be 11 years in three years time.

(a) Find their total age now. (02 Marks)

(b) Simplify 2bc + 4de + 5bc - de. (02 Marks)

28. (a) Given that one right angle is equal to 90^0. How many right angles are in 270^0. (02 Marks)

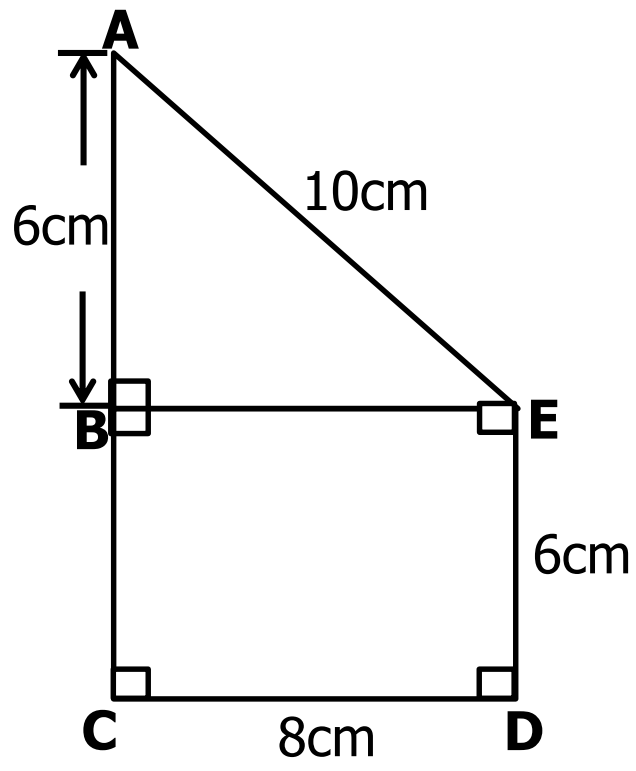
(b) In the figure below, find the value of P. (02 Marks)



29. (a) Convert $10\frac{2}{3}$ into an improper fraction. (02 Marks)

(b) Agume had one sugarcane and ate $\frac{1}{4}$ of it in the morning and ate $\frac{1}{2}$ of it in the evening. What fraction of the sugarcane remained? (03 Marks)

30. (a) Study the figure below and use it to answer questions that follow.



(a) Find the area of the figure **ABE**. (02 Marks)

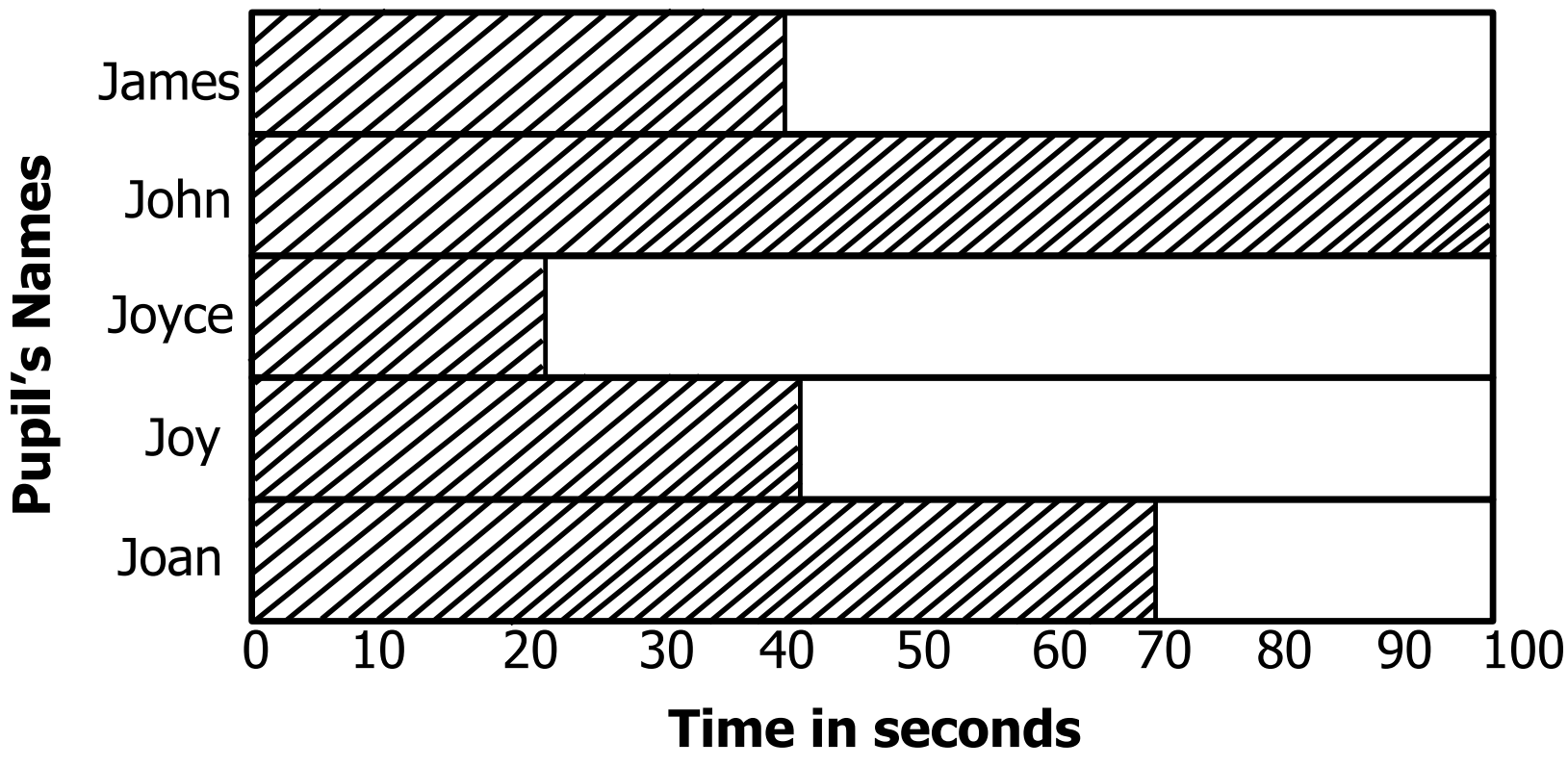
(b) Workout the area of the figure **BCDE**. (02 Marks)

(c) Find the total distance around the figure **ACDEA**. (02 Marks)

31. (a) Convert 5000 millilitres to litres. (02 Marks)

(b) A tourist had US dollars 1500 and wanted to exchange it to Uganda Shillings. If 1 US dollar is equivalent to 3850 Uganda Shillings. How much money did he get after exchanging the money? (03 Marks)

32. The graph below shows names of five pupils that took part in a 100 metre Race and their time. Study it carefully and answer questions that follow.



(a) Who won the race? (01 Mark)

(b) Find the total time taken by the five pupils. (02 Marks)

(c) Workout John's speed in metres per second? (02 Marks)

END