KOLFRAM EDUCATIONAL SERVICES KAMPALA

MID TERM I EXAMINATION SET **ONE** 2024

PRIMARY SIX

MATHEMATICS

*Time allowed: **2** hours 30 minutes*

Index Number:

	Admission Number					Personal Number	

Candidate's Name: ……………………………………………………………………………….

Candidate's Signature: ……………………………………………………………………….

School Name: ……………………………………………………………………………..…..

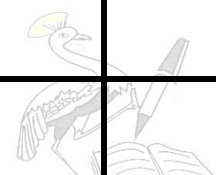**District Name:** ……………………………………………………………………………….

DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO

Read and follow these instructions carefully:

1. This paper has **two** sections: **A** and **B**. Section **A** has **20** questions and section **B** has **12** questions. The paper has **10** printed pages.

2. Answer **all** questions. **All** answers to both sections A and B must be shown in the spaces provided.

3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will **not** be marked.

4. . No calculators or **electronic** pens are allowed in the examination room.

5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.

6. Do not fill anything in the table indicated: "**FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

FOR EXAMINER'S USE ONLY

QN. NO.	MARKS	EX'ER'S INITIAL
1 -5		
6 - 10		
11 - 15		
16 - 20		
21 - 23		
24 - 26		
27 - 29		
30 - 32		
TOTAL		
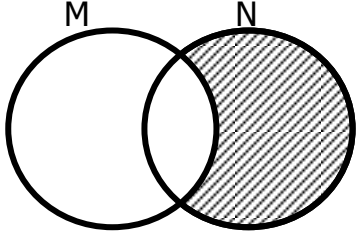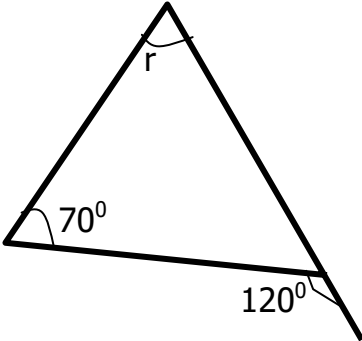
Turn Over

SECTION A

1.	Add: 72 + 28	2.	Describe the shaded region
3.	Collect like terms; 4r + 3k – r + 2k.	4.	Subtract: $\frac{1}{2} + \frac{1}{3}$

5.	Abdu scored the following points in quiz competition 7, 4, 6, 7, 9. Find his range of score.

6.	Simplify: $^+9 - {}^-6$	7.	Find the supplement of 110^0.
8.	Add: $\begin{array}{r} 1\ 1\ 0 \text{ two} \\ +\ 1\ 1 \text{ two} \\ \hline \\ \hline \end{array}$	9.	An examination started at 9:00a.m. and Lasted for 2 ½ Hours. When did it end?
10.	Find the next number in the sequence 36, 25, 16, 9, ___ .	11.	Mummy shared 2 dozens of books among her 3 children. How many books did each child get?

STANDARD KOLFRAM IN USE: PRIMARY SIX MATHEMATICS MID TERM I EXAMINATION 2024
A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA -0777886622/ 0784044408/ 0786941943, 0777292922
A PUBLISHER OF KOLFRAM QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISION BOOKS & QUESTION BANKS AND HOLIDAY PACKAGES

2

12.	Solve: $4k + 2 = 10$.		

13.	Find the size of angle r in the figure below.

14.	Work out: $2 - 5 =$ ____(finite 7)	15.	Apio covered a distance of 2.5km. How many metres did she cover?

16.	$\frac{2}{3}$ of Barbra's books in her bag are exercise books and the rest are text books. If she has 21 books in her bag, how many text books are in the bag?	17.	Which number has been prime factorised below? $\{2_1, 2_2, 3_1, 3_2\}$
18.	Set A = { 1, 2, 3}, how many subsets are in set A?	19.	5 books costs 20,000/=, Find the cost of 7 similar books.

20.	Given that: ⊗ represents 8 balls, how many balls are represented by ⊗ ⊗ ⊗ ⊗ ?

SECTION B

STANDARD KOLFRAM IN USE: PRIMARY SIX MATHEMATICS MID TERM I EXAMINATION 2024
A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA -0777886622/ 0784044408/ 0786941943, 0777292922
A PUBLISHER OF KOLFRAM QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISION BOOKS & QUESTION BANKS AND HOLIDAY PACKAGES

3

21. Sarah had 24 litres of milk to sell. She sold ¾ of it and the rest went bad.

(a) How many litres did she sell?

(b) Find the number of litres that went bad.

(c) If each litre of milk was sold at 2000/=, how much money did she get from the milk sold? (6 marks)

22. Tim scored the following marks in end of year exams.
    MTC   -   95
    Scie   -   92
    Eng   -   88
    SST   -   80
    R.E   -   95

   (a)   Find the
       (i)   Mode

       (ii)   Range

       (iii)   median

STANDARD KOLFRAM IN USE: PRIMARY SIX MATHEMATICS MID TERM I EXAMINATION 2024
A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA -0777886622/ 0784044408/ 0786941943, 0777292922
A PUBLISHER OF KOLFRAM QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISION BOOKS & QUESTION BANKS AND HOLIDAY PACKAGES

4

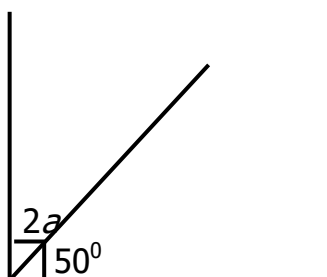(b)   Calculate his average score.   (5marks)

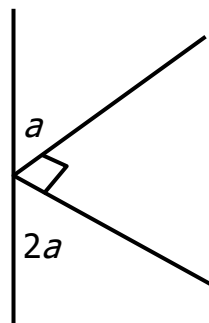23.   Find the value of *a* in each of the figures below.   (4 marks)

(a)

(b)

24.   Sam went shopping and bought the following items.
       2 kg of sugar at 2800/= each kg.
       3 bars of soap at 2500/= each bar.
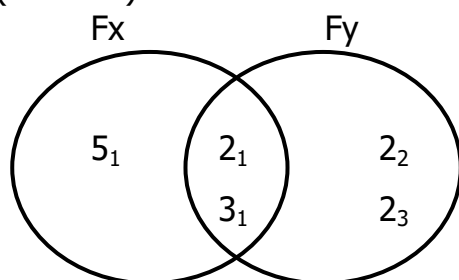   1 ½ litres of cooking oil at 3000/=.
       ½ kg of salt at 1000/= each kg.

   (a)   What was his total expenditure?

   (b)   If he went with 30,000, how much money did he remain with?   (6 marks)

25.   The diagram below shows prime factors of two numbers. Use it to answer
       questions that follow.
                    (4 marks)
            Fx   Fy

(a)   Find the value of;
(i)   X

(ii)   Y

STANDARD KOLFRAM IN USE: PRIMARY SIX MATHEMATICS MID TERM I EXAMINATION 2024
A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA -0777886622/ 0784044408/ 0786941943, 0777292922
A PUBLISHER OF KOLFRAM QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISION BOOKS & QUESTION BANKS AND HOLIDAY PACKAGES
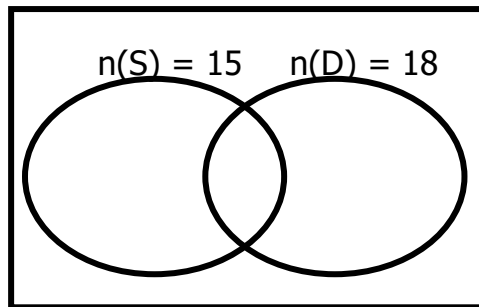
5

(b) Calculate the;
    (i) GCF of x and y.

    (ii) LCM of x and y.

26 Using a ruler, a pencil and a pair of compasses only, construct an hexagon in a circle of radius 4cm. (4 marks)

27. In a class of 30 pupils, 15 like singing, (S) 18 like dancing, (D) and r like both singing and dancing.
    (a) Represent the above information on a Venn diagram below.

n(S) = 15   n(D) = 18

(5 marks)

    (a) Find the number of pupils who like both.

    (b) How many pupils like only one activity?

28. Two bells ring in intervals of 30 minutes and 40 minutes. If they ring together at 8:00a.m;
    (a) after how many hours will they next ring?

STANDARD KOLFRAM IN USE: PRIMARY SIX MATHEMATICS MID TERM I EXAMINATION 2024
A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA -0777886622/ 0784044408/ 0786941943, 0777292922
A PUBLISHER OF KOLFRAM QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISION BOOKS & QUESTION BANKS AND HOLIDAY PACKAGES

6

(b) At what time will they ring together again?   (5 marks)

29.   Given that: $a = 2$, $b = 3$ and $c = 6$. Find the value of;
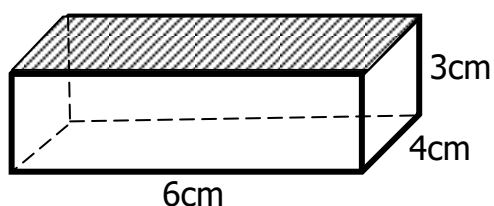   (a) $a\,b\,c$

      (b) $2a + c$

      (c) $\dfrac{bc - a}{4}$ (6 marks)

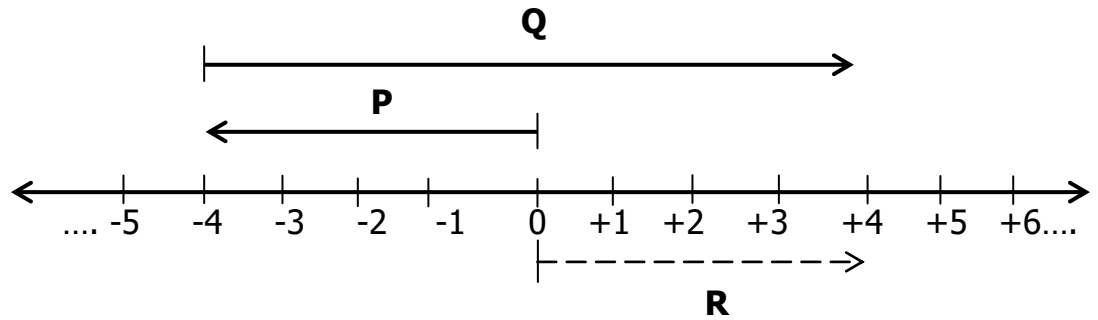30.   The figure below is a cuboid, use it to answer questions that follow. (6 marks)

3cm

4cm

6cm

      (a)   Find the area of the shaded face.

      (b)   Calculate the volume of the figure.

      (c)   Workout the total surface area of the figure.

STANDARD KOLFRAM IN USE: PRIMARY SIX MATHEMATICS MID TERM I EXAMINATION 2024
A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA -0777886622/ 0784044408/ 0786941943, 0777292922
A PUBLISHER OF KOLFRAM QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISION BOOKS & QUESTION BANKS AND HOLIDAY PACKAGES

7

31. Study the number line below and use it to answer questions that follow. (4 marks)

(a)   Write down the integers represented by arrow;
       (i)   P _____ (ii) Q _____

       (ii)   R _____

(b)   What mathematical statement is represented on the above number line?

       _____

32. The graph below shows the number of oranges sold from Mr. Kabanda's farm for a week. Use it to answer questions that follow.
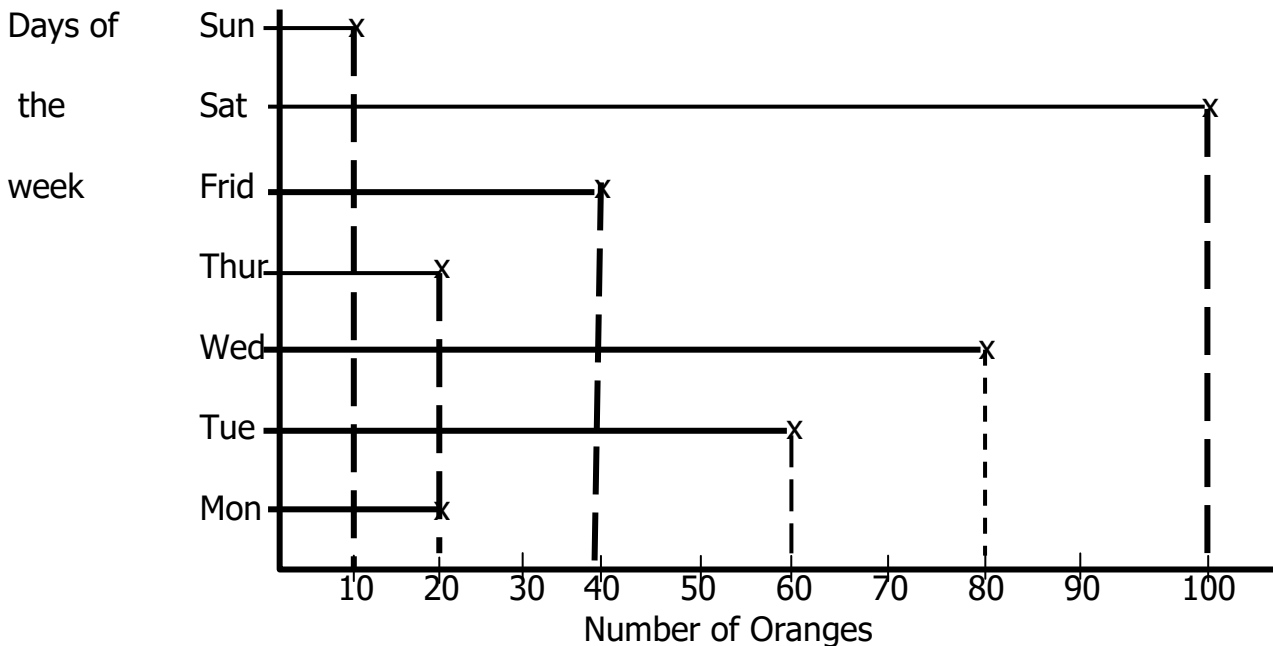
(a)   When was the largest number of oranges sold?

       _____

(b)   On which two days were the sales the same?

(i) _____

(ii) _____

(c)   How many more oranges were sold on Thursday than on Sunday?

(d)   If a heap of eleven oranges cost 1000/=, how much money did Mr. Kabanda get in that week?   (5 marks)

STANDARD KOLFRAM IN USE: PRIMARY SIX MATHEMATICS MID TERM I EXAMINATION 2024
A PRODUCT OF KOLFRAM EDUCATIONAL SERVICES KAMPALA -0777886622/ 0784044408/ 0786941943, 0777292922
A PUBLISHER OF KOLFRAM QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISION BOOKS & QUESTION BANKS AND HOLIDAY PACKAGES

8