PRIMARY FIVE

MATHEMATICS

Time allowed: 2 hours   30 minutes

Name: _____

School: _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**

2. Section **A** has 20 short questions (40 marks)

3. Section **B** has 12 questions (60 marks)

4. Answer **ALL** questions. All answers to both Sections A and B must be written in the spaces provided.

5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.

6. Unnecessary alteration of work may lead to loss of marks.

7. Any handwriting that cannot be easily read may lead to loss of marks.

8. Do **not** fill anything in the boxes indicated for Examiner's use only.

FOR EXAMINER'S USE ONLY

FOR EXAMINER'S USE ONLY		
Qn. No	**MARK**	**SIGN**
1 – 10		
11 – 20		
21 – 30		
31 – 32		
TOTAL		

Turn over

SECTION A: 40 MARKS

1.   Add: 6 4
               +2 1
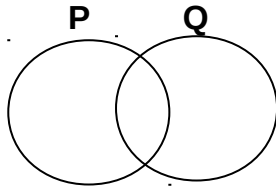   _____

2.   Write XXIV in Hindu Arabic numerals.

3.   Find the total distance around the rectangle below.

                4m

        10 m
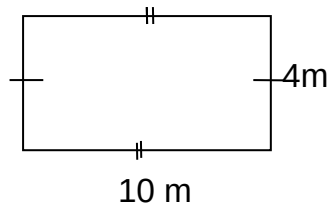
4.   Expand 8 4 3 6 using values.

5.   Shade **P**∪**Q**

6.   Find the next number in the sequence.
     1,   3,   5,   7,   9, ___

7.   What are the next two fractions in the sequence?
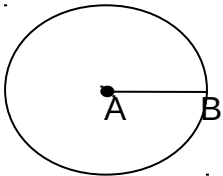 $\frac{1}{4}$, $\frac{2}{8}$, $\frac{3}{12}$,   ___,   ___

8. Find the LCM of 4 and 6.

9. Kimera sells 1 litre of milk at shs. 900. If Mary bought 5 litres of milk. How much did she pay?

10. Given that ⬜ represents 5 tins. How many tins are represented by ⬜⬜⬜ ⬜ ⬜⬜ ?

11. Name line AB

_____

12. What is $\frac{2}{3}$ of 12?
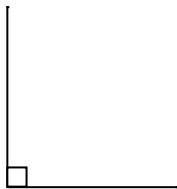
13. Write 5132 in words.

14.	Share 96 mangoes among 3 boys.

15.	Change 10kg to grams.

16.	Study the table below and complete it correctly.

Number	Tallies
5	~~IIII~~
9	_____
_____	~~IIII~~ ~~IIII~~ ~~IIII~~

17.	Add: **HRS** **Min**

$$
\begin{array}{rr}
3 & 1\,5 \\
+\ 7 & 2\,0 \\
\hline
\end{array}
$$

_____

18.	Name the angle below.
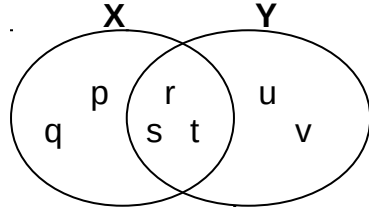

19.	How many ½ litre bottles are in a 1 litre container?

20.	Solve: x + 4 = 17

SECTION B: (60 Marks)

21. Study the cuboid below and answer the questions that follow.   (*1 mark each*)

(a)   (i)   Find **X∩Y**

       (ii)   Find **X∪Y**

       (iii)   Find n(**X**)

(b)   (i)   List all members in set **Y**.

       (ii)   List members which are in set **X** only.

22.   **Study the table below and answer questions that follow**.

Item	Price in Shillings
Salt	Sh. 500 per kg
Sugar	Sh. 2500 per kg
Soap	Sh. 1000 a bar
Bread	Sh. 2000 a loaf

(a)   Find the cost of 2 kg of sugar.   (*2 marks each*)

(b) Find the cost of 2 bars of soap and 2kg of salt.

(c) Find the cost of 3 loaves of bread.

23. (a) Express 3 ¼ as an improper fraction. (*2 marks each*)

(b) Kaggwa read $\frac{1}{7}$ of a book on Monday and $\frac{3}{7}$ of it on Tuesday. What fraction of the book did he read altogether?

(c) A jerrycan is $\frac{7}{8}$ full of water. If I use $\frac{4}{8}$ of water, what fraction of water was left?

24. Use **>**, **<** or **=** to complete the following statements. (*1 mark each*)
(a) 4 x 3 _____ 3 + 4

(c) XL _____ 45
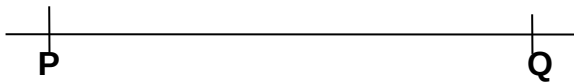
(d)   14 days _____ 2 weeks

(e)   ½ _____ ¼

25.   (a)   What number has been expanded to get
                (3 x 1000) + (7 x 100) + (0 x 10) + (9 x 1)   (*2 marks*)

        (b)   What is the place value of the underlined digit 7 3 4 5 0?   (*1 mark*)

        (c)   Round off 285 to the nearest tens.   (*2 marks*)

26.   (a)   Measure line **PQ**   (*1 mark*)

        P   Q

        (b)   Name this figure.   (*1 mark*)

        _____
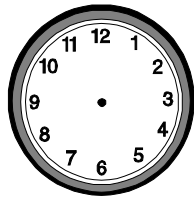
7

(c)   Draw a square   (*2 marks*)

27.   (a)   Moses started walking from his home at 7:15 a.m. and reached school at
              8:15 a.m. How long did it take him?   (*2 marks*)

   (b)   Show a half past 5 o'clock on the clock face.   (*2 marks*)

       (c)   A driver covers 90km in one hour. What distance will he cover in 3 hours?
                                                                               (*2 marks*)

28.   Given the digits   1, 7, 3,   9
       (a)   Write the smallest numeral that can be formed using the digits.   (*1 mark*)

       (b)   Write the biggest numeral that can be formed using the digits.   (*1 mark*)

       (c)   What is the difference between the biggest and the smallest numerals
              formed from the digits.   (*2 marks*)

29. Study the figure below and answer the questions.

4cm

3cm

5cm
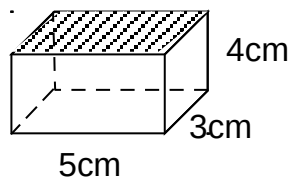
(a) Find the number of; (*1 mark each*)
(i) vertices

(ii) faces
(iii) edges

(b) Find area of the shaded part. (*2 marks*)

30. Complete the magic square.

b	6	d
a	10	12
9	14	c

(a) Find the magic sum. (*1 mark*)

(b) Find the value of (*1 mark each*)
(i) a

(ii) b

9

(iii)   c

(iv)   d

31.   Find the missing numbers.   (*1 mark each*)
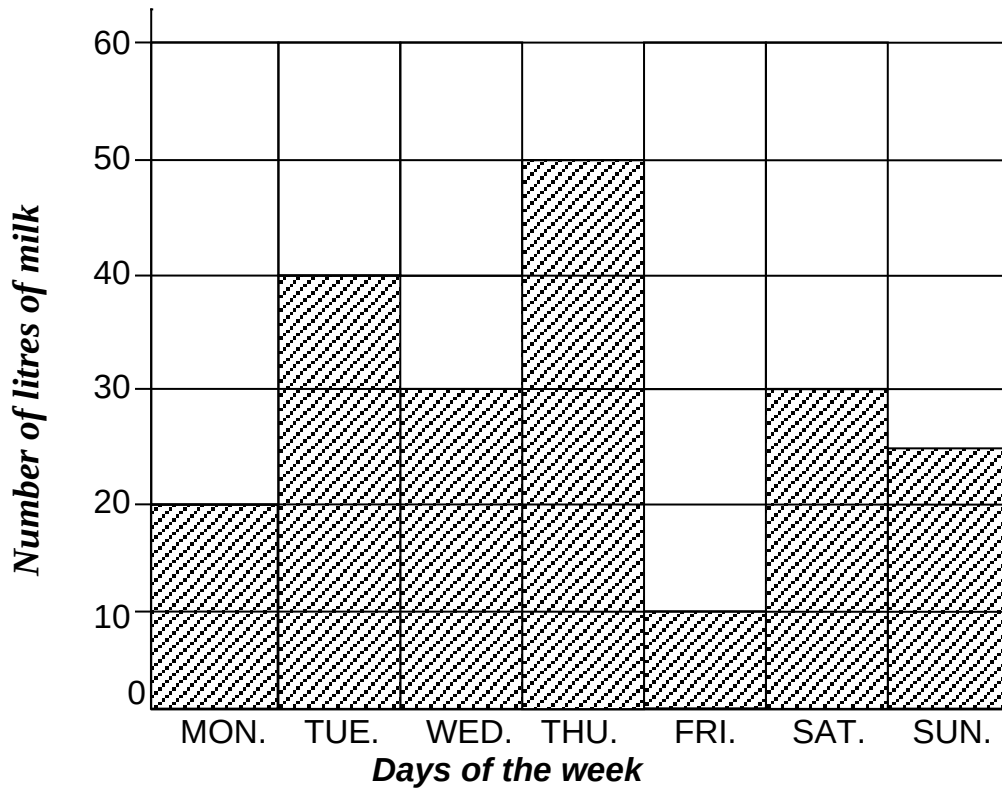
(a)   ☐ + 6 = 17   (b)   4 x ☐ = 28

(c) $\dfrac{3}{4}$ = $\dfrac{\square}{16}$ (d)   ☐ ÷ 4 = 5

(e)   ☐ - 8 = 2

32. **The graph shows the number of litres of milk a farmer collects from his farm in a week. Study it and answer the questions that follow.**

(a) How many litres were collected on Tuesday?   *(1 mark)*

(b) What is the sum of the Highest and lowest litres collected?   *(2 marks)*

(c) How much was collected on Monday, Wednesday and Friday altogether?
                                                                    (2 marks)

Good Luck