THE SPECTRUM EXAMINATIONS HUB
END OF TERM III ASSESSMENT , 2024
PRIMARY FIVE MATHEMATICS
Time allowed 2hrs 30minutes

NAME_____

SCHOOL_____

Read the following instructions carefully:

1. This paper has two sections: A and B.

2. Section A has 20 questions (40 marks)

3. Section B has 12 questions (60 marks)

4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.

5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.

6. No calculators are allowed in the examination.

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

8. Do not fill anything in the table indicated; "For examiners' use only" and the boxes inside the question paper.
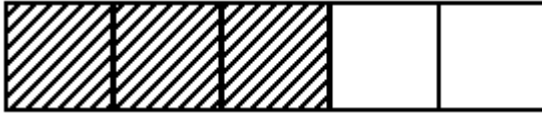
SECTION A

1. Work out: 4 3.
              x   2
              _____

2. Simplify: 5k – 3k.

3. Write in figures: Forty seven thousand, eighteen.

4. Given that set A = {a,e,i,o,u} and set B = {a,c,e}. Find n(A U B)

5. Jude weighs 73.5 Kg and his sister weighs 58.5 Kg. What is their total mass?

6. Write 29 in Roman numerals.

7.   Write down the fraction of the shaded part of the diagram below.

8.   Using a protractor, a pencil and a ruler only, draw an angle of 60^0 in the space below.
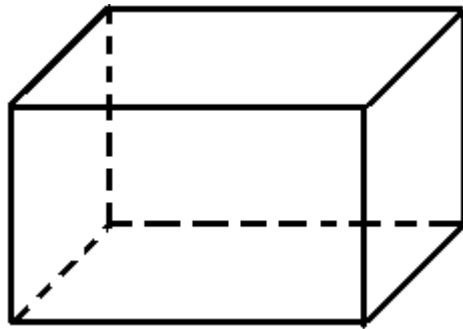
9.   What is the value of 6 in the number 36,094?

10.   Find the next number in the sequence: 3 , 4 , 6 , 9 , 13 , _____.

11.   Convert 0.8 metres into centimetres.

12. A forty-minute lesson started at 8:30am. At what time did it end?

13. How many vertices does the figure below have?

14. Five pupils scored the following marks in a Mathematics homework exercise:
    10 , 9 , 7 , 8 and 6. Find the mean mark.

15. Simplify: $\dfrac{7}{8} - \dfrac{3}{8}$

16. Change 104_{five} to base ten.

17. Find the lowest Common Multiple (L.C.M) of 8 and 12.

18. Work out: 3 7 5 6
                 + 9 5 6 7
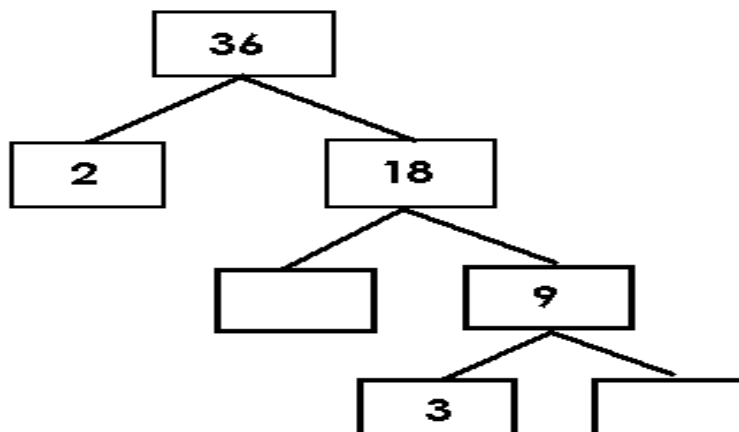   _____

    _____

19. Find the complement of an angle of 70^0.

20. By selling a radio for Sh. 240,000, a shopkeeper loses Sh. 25,000. At what price did he buy the radio?

SECTION B (60 MARKS)

21(a) Fill in the missing numbers.   (2 marks)

(b)   What is the sum of the first four odd numbers?   (2 marks)

(c)   List down the factors of 12.   (1 mark)

22.   Given that set C = {1,3,4,6,8} and set D = {2,3,5,6,7}.

(a)   Represent this information on the Venn diagram below.   (3 marks)

C   D
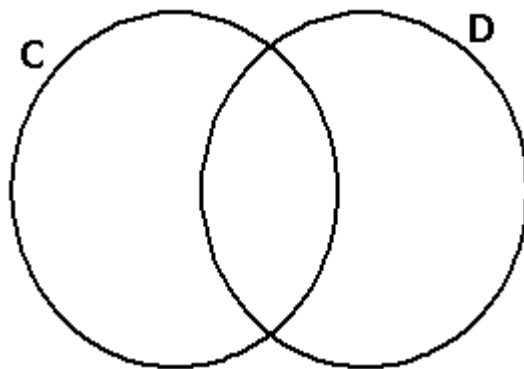
(b)   Find C ∩ D.   (1 mark)

(c)   Find n(C − D)   (2 marks)

23. (a)   Work out: ¾ of $^4/_9$.   (2 marks)

(b)   Simplify: $^2/_3$ ÷ $^5/_6$ (2 marks)

(c)   Work out: 3.82 – 7.9 + 5.45   (2 marks)

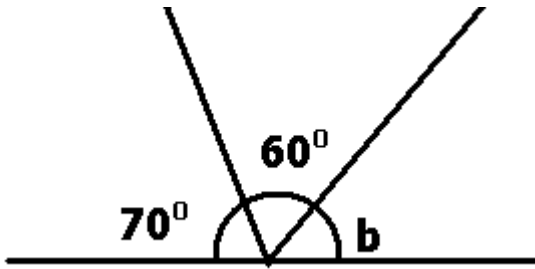24. (a) A tray holds 30 eggs. How many trays will be required to pack 330 eggs?

                                                                      (2 marks)

(b)   If each tray is sold at Sh. 12,000, how much money does one get from selling all the trays in (a) above?   (2 marks)

25. (a) In the figure below, calculate the value of **b.**   **(2 marks)**

70^0 60^0 b

(b)   Ssekitto is facing North East. If he turns clockwise through an angle of 135^0, in which direction will he face?   (2 marks)

(c)   Using a ruler and a pencil only, draw a line segment of 5.3 cm.
                                                                                        (1 mark)

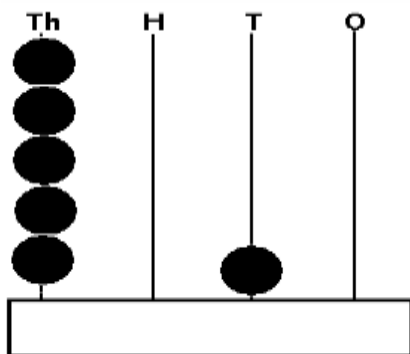26. (a) Find the distance travelled by a motorist at speed of 60km per hour for 3 hours.

                                                                                        (2 marks)

(b)   At what speed would the motorist cover the same distance in 2 hours?
       (2 marks)

27(a) Find the number which has been expanded to give:
       (1 x 10,000) + (3 x 100) + (6 x 10) + (8 x 1)   (2 marks)

(b)   Round off 8491 to the nearest hundred.   (2 marks)

(c)   What number is shown on the abacus below?   (1 mark)
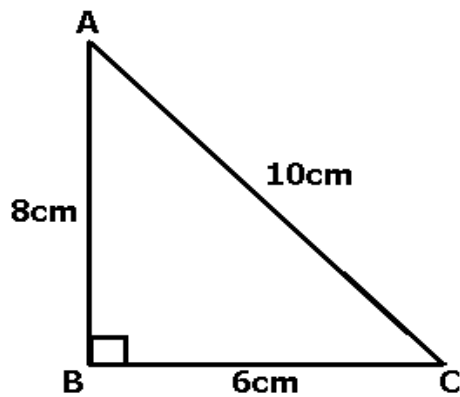

28.   In a P.5 class of 140 pupils, $^2/_5$ of them are girls.

(a)   Find the number of girls in the class. (2 marks)

(b)   Find the fraction of boys in the class. (1 mark)

(c)   Find the difference between the number of boys and the number of girls in the class.
(2 marks)

29. The diagram below shows a triangle ABC. Study it carefully and answer the questions that follow.

A

10cm

8cm

B   6cm   C

(a) Find its area.   (2 marks)

(b) Find its perimeter.   (2 marks)

30. Solve the following equations.

(a) $\dfrac{n}{4} = 12$ (2 marks)

(b) $3x + 6 = 27$ (2 marks)

31. The table below shows the daily attendance of a class of 50 children.

Days of the week	Mon	Tue	Wed	Thru	Fri
No. of children present	48	50	47	49	36

(a) On which day were all the children present?   (1 mark)

(b) How many children were absent on Friday?   (1 mark)

(c) Find the total number of children who attended school that week altogether. (2 marks)

(d) What was the average daily class attendance?   (2 marks)

32. **Shakira went to the shop and bought the items shown in the table below.**

ITEM	QUANTITY	PRICE PER ITEM	AMOUNT SPENT
Toothpaste	2 tubes	Sh. 2500	Sh. 5,000
Eggs	6	Sh. 300	Sh…………………..
Beans	3kg	Sh. ………………….	Sh. 3,600
Salt	………………….kg	Sh. 1,000	Sh. 2,000
Total Expenditure			Sh…………………..

(a) Complete the table above.   (4 marks)

(b) If Shakira remained with only Sh. 1,600, find the total amount of money she had at first.   (2 marks)

END

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