

KINGS SCHOOL-KABOWA  
P. 5 Mid Term I Examination, 2020.  
Mathematics.

Time allowed: 2 hours and 30 minutes

Name: \_\_\_\_\_ Stream: \_\_\_\_\_

SECTION A: (40 marks)

1. Work out  $21 \times 4$

2. Subtract: 
$$\begin{array}{r} 7 \\ 11 \end{array} - \begin{array}{r} 4 \\ 11 \end{array}$$

3. What is the next number in the sequence: 1, 3, 5, 7, \_\_\_\_\_?

4. Write XLIV in Hindu Arabic numerals.

5. Find the missing number  $\square + 4 = 6$

6. What is the place value of 2 in the number 206,315?

7. Given that set  $A = \{2, 4, 6, 8, 10\}$  and set  $B = \{3, 5, 7, 9\}$ . Find  $n(A \cap B)$ .

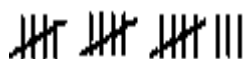
8. Add:   Hrs    Min.  
          6       20  
+       2       35  
\_\_\_\_\_

\_\_\_\_\_

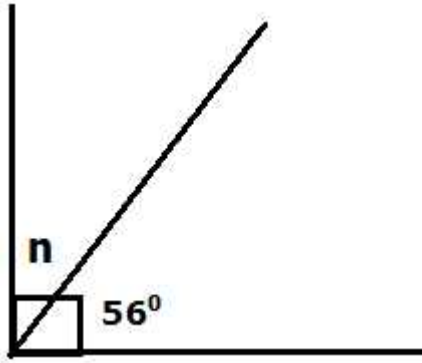
9. Ali bought a book at sh. 2300. He then sold it at sh. 4500. Find Ali's profit.

10. Change 35kg into grams.

11. What number is shown by the tallies below?



12. Find the value of  $n$  in the figure below.

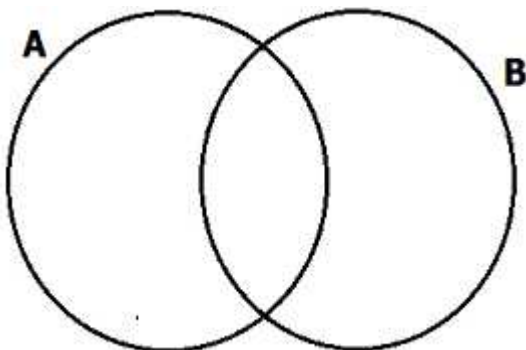


13. Write down all multiples of 4 less than 20.

14. Work out:  $11 - 15 + 9$ .

15. Given that  represent 10 girls. How many such pictures will represent 40 girls?

16. Shade  $A - B$  in the Venn diagram below.

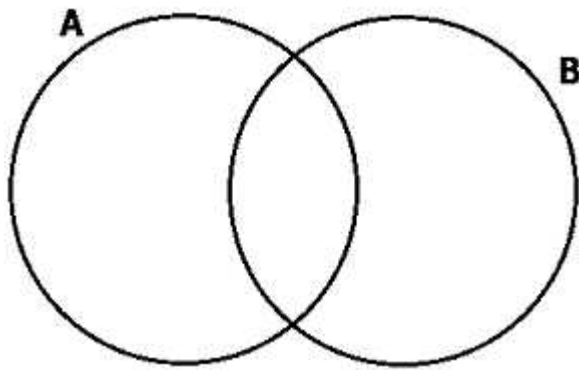


17. Round off 964 to nearest ten.
18. Find the 8<sup>th</sup> triangular number.
19. Prossy bought 8 packets of milk each containing  $\frac{1}{2}$  a litre. How many litres did she buy?
20. A trader had 256 apples , he packed them in 8 baskets. If all boxes contained the same number of apples, how many apples were in each basket?

Section B

21. Given that set  $M = \{0, 1, 2, 3, 4, 5\}$  and  $N = \{\text{the first five even numbers}\}$ .
- (a) List all the members of set N. (1 mark)

- (b) Use the information above to complete the Venn diagram below. (3 marks)



- (c) Find  $n(M \cup N)$ . (1 mark)

22. Given the digits 5, 6, 0, 3 and 7.

- (a) Arrange the digits to form the smallest possible number. (1 mark)

- (b) Arrange the digits to form the biggest possible number. (1 mark)

- (c) Find the difference between the smallest and biggest numbers. (2 marks)

23 P.5 pupils went for a tour using buses, 3 buses carried 40 pupils each while the 2 buses carried 36 pupils each.

(a) Find the total number of pupils who were carried by 3 buses. (2 marks)

(b) Find the total number of pupils who went for the tour. (3 marks)

24. Use  $>$  ,  $<$  or  $=$  to complete the mathematical statements. (1 mark each)

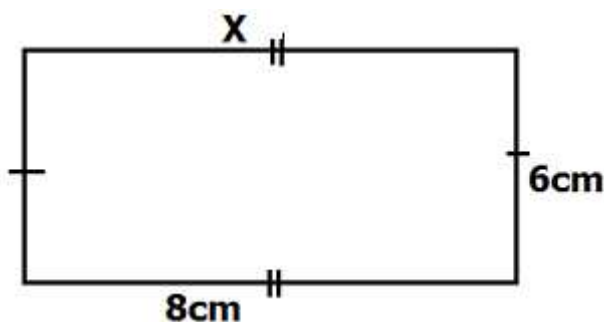
(a) A quarter \_\_\_\_\_  $\frac{1}{4}$

(b) XXIX \_\_\_\_\_ 19

(c) 3 metres \_\_\_\_\_ 100cm

(d)  $3 \times 5$  \_\_\_\_\_  $36 \div 9$

25. The figure below is of a rectangle. Use it to answer questions that follow.



(a) What is the value of x? (1 mark)

(b) Work out the area of the figure. (2 marks)

(c) Find the perimeter of the figure. (2 marks)

26. Find the missing numbers. (2 marks each)

(a)  $\boxed{\phantom{00}} \div 3 = 4$

(b)  $36 - \boxed{\phantom{00}} = 24$

(c)  $\boxed{\phantom{00}} \times 7 = 21$

27. Musa is 18 years old. Jamil is 5 years younger than Musa. (2 marks each)

(a) How old is Jamil?

(b) Find their total age.

(c) How old will Musa be after 4 years from now?

28. Below is a price list of some items in a shop.

Sugar at shs. 4000 per kilogram

1 bar of soap at shs. 3500 per bar

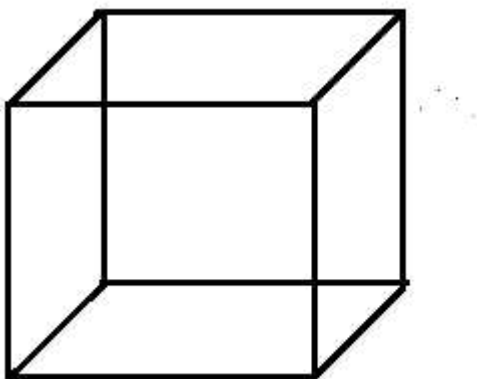
Rice at shs. 3000 per kilogramme

(a) How much will one pay for 2kgs of rice? (2 marks)

(b) If Betty bought a bar of soap and a kilogram of sugar, how much did she pay for both items? (2 marks)

(c) How much more money does one pay for a kilogram of sugar than a kilogram of rice? (2 marks)

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



(a) Name the figure above. (1 mark)

(b) Find the number of: (1 mark each)

(i) vertices: ..... (ii) Edges: .....

(c) In the space provided, draw a kite. (2 marks)

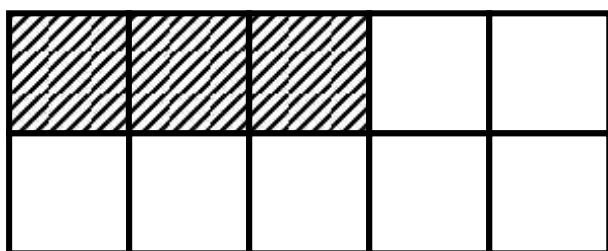
30(a) List the first four composite numbers. (2 marks)

(b) Work out the GCF of 8 and 12. (2 marks)

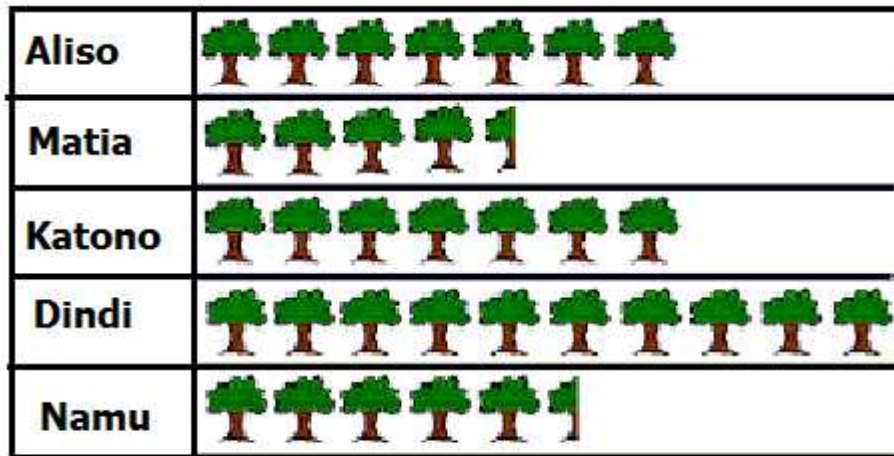
31(a) Add:  $2\frac{1}{7} + 1\frac{3}{7}$  (2 marks)

(b). What is  $\frac{2}{3}$  of 24 books? (2 marks)

(c) Name the shaded fraction. (1 mark)



32. Study the graph below and answer questions that follow.



 = 12 trees

- (a) Who planted the most number of trees? (1 mark)
- (b) Which pupils planted the same number of trees? (2 marks)
- (c) How many trees were planted by Namu? (2 marks)