KINGS SCHOOLS-KABOWA

P. 6 Mid Term I Examination, 2020.

Mathematics.

Time allowed: 2 hours and 30 minutes

Name: _____ Stream: _____

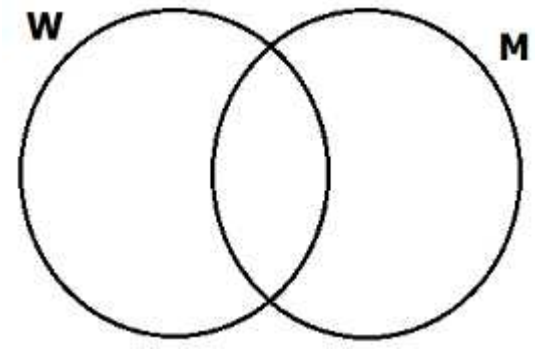
SECTION A (40 marks)

1. Work out: 32 x 3

2. Write 45 in Roman numerals.

3. Simplify: 4h – 2y + 2h – 3y

4. In the Venn diagram below, shade M – W.



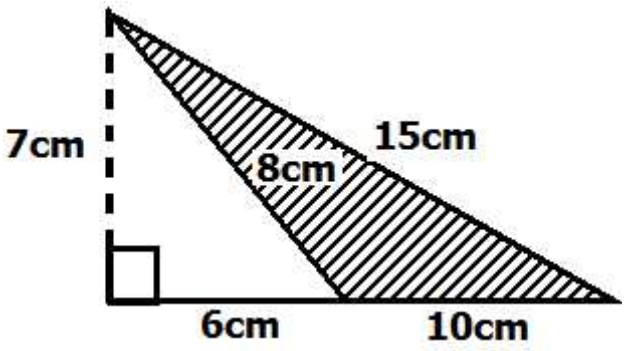
5. If 5 books cost Sh. 12,000. Find the cost of 3 similar books.

6. Work out: $\frac{3}{5} + \frac{1}{4}$

7. Find the next number in the sequence: 2 , 3 , 5 , 7, _____

8. Find the median of the following numbers: 12 , 8 , 2 , 4 , 10 , 6

9. Find the area of the shaded figure below.



10. Simplify: $\bar{}3 + \bar{}5$

11. A forty-minute lesson ended at 10:30a.m. At what time did it begin?

12. Find a complementary angle of 87^{o}.

13. Solve: $2t - 6 = 14$

14. Work out: $413_{five} - 132_{five}$

15. Work out:

	l	ml
	5	250
+	2	860

16. Given that  represents 8 girls. How many girls are represented by  ?

17. Using a ruler, a sharp pencil and a protractor, draw an angle of 75^{o}.

18. Magala had 36 goats. He sold $\frac{3}{4}$ of his goats. How many goats did he remain with?

19. If today is Friday, what day of the week was it 12 days ago?

20. Find the GCF of 12 and 16.

Section B (60 marks)

21(a) Find the sum of the value of 4 and the value of 8 in the number 4083. (3 marks)

(b) Expand 5237 using powers of ten. (2 marks)

(c) The place value of 9 in a number is thousands. What is its value? (1 mark)

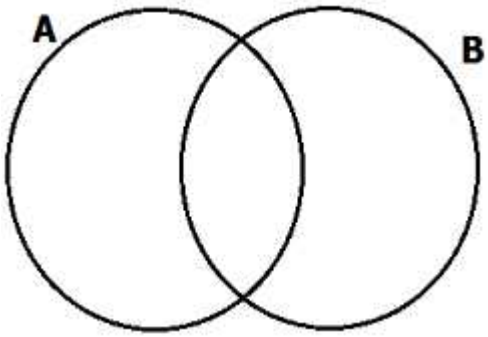
22(a) Given that A = {all prime numbers less than 10} and B = {all odd numbers less than 10}.

(i) List elements of set A. (1 mark)

(ii) list elements of set B. (1 mark)

(b) Find n(AUB). (1 mark)

(c) Represent the above sets on a Venn diagram below. (3 marks)



23. Study the shopping table below carefully.

ITEM	QUANTITY	UNIT COST	AMOUNT
soap	8 bars	Sh.3500	Sh……
rice	……Kg.	Sh.4000	Sh.8000
sugar	1 ½ Kg	Sh……	Sh.6000
		TOTAL EXPENDITURE	Sh……

(a) Complete the table. (4 marks)

(b) If Namakula bought all the above items and remained with Sh. 10,500, how much money did she have altogether? (1 mark)

24. The sum of three consecutive even numbers is 48. Find the numbers. (4 marks)

25(a) Sarah is 15 years older than Annet. If their total age of 39 years, how old is Annet? (2 marks)

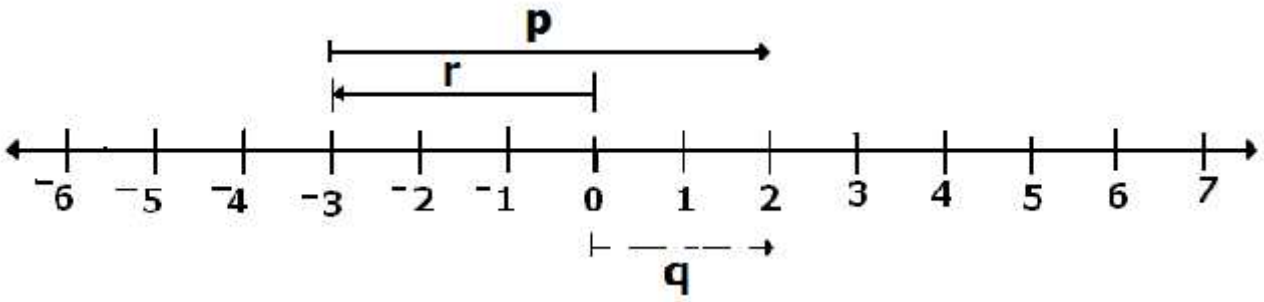
(b) Remove the brackets and simplify $2(3x + 4) + 3(x + 2)$. (3 marks)

26. A motorist drove at a speed of 60km/hr for 3 hours from Mbale to Jinja.

(a) What distance did he cover? (2 marks)

(b) If he returned in 2 hours from jinja to Mbale following the same route, calculate his return speed. (2 marks)

27. Study the number line below carefully.



(a) Write down the integers represented by: (1 mark each)

(i) p (ii) q (iii) r

(b) Write down the mathematical statement represented by the arrows. (1 mark)

28(a) Work out: $\frac{2}{3} - \frac{3}{4}$ (2 marks)

(b) Change 0.8 to a common fraction. (1 mark)

(c) Tom had 8 litres of passion juice. He sold all it using glasses of $\frac{1}{4}$ litre. How many glasses did he sell? (2 marks)

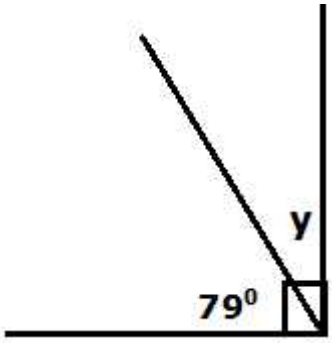
29. Riham soda factory produces 1716 bottles of soda everyday. If those bottles are packed in cartons each containing 12 bottles.

(a) How many cartons of soda does the factory produce a day? (2 marks)

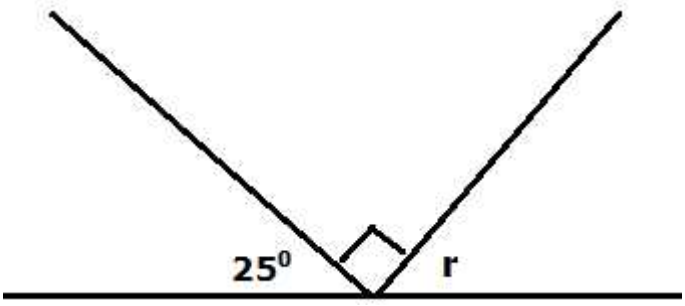
(b) If Namagembe bought 28 cartons of soda, each at Sh. 7500, how much money did she pay? (2 marks)

30(a) Find the size of the unknown angles in the figures below. (2 marks each)

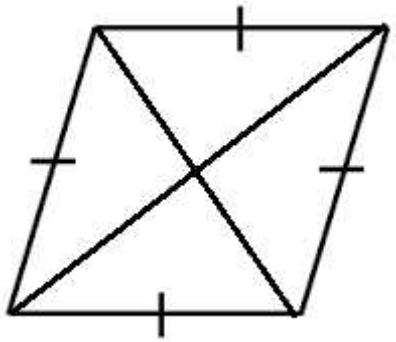
(i)



(ii)



(b) How many folding lines of symmetry does the figure below have? (2 marks)



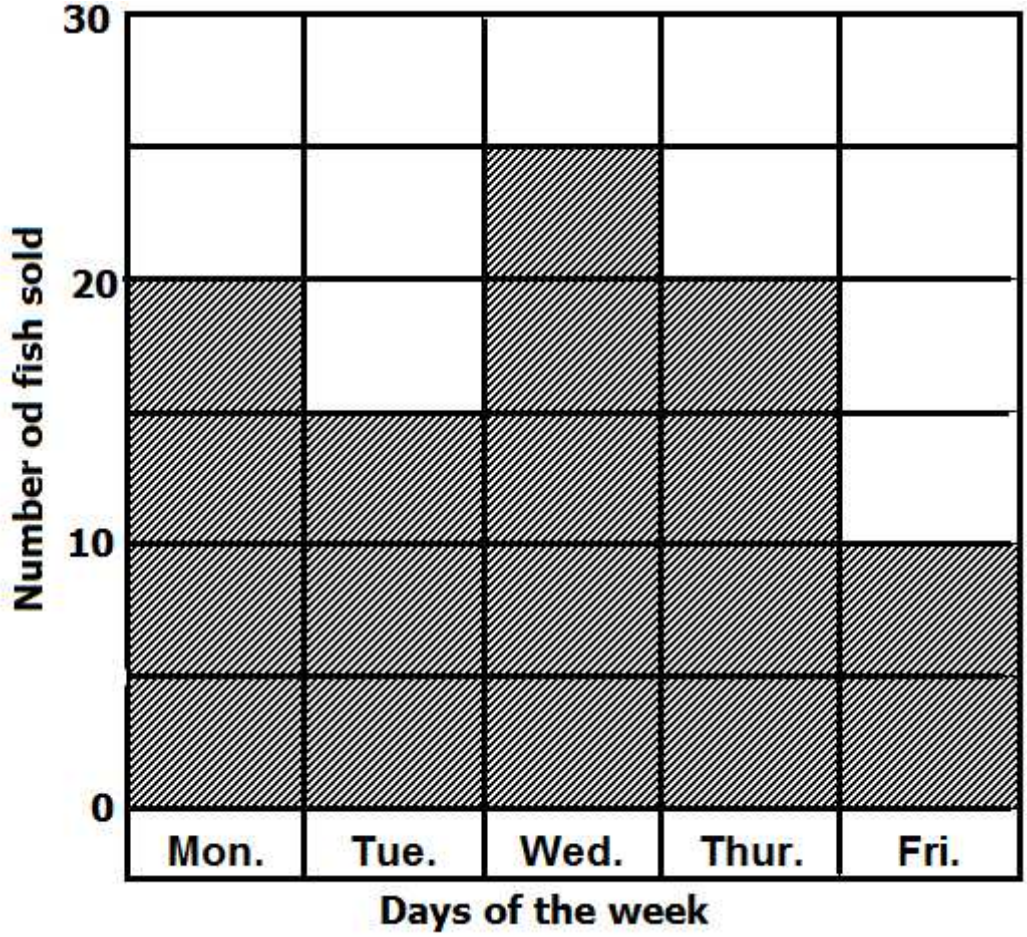
31(a) The area of a rectangle is $45m^2$ and its width is 5 m.

(i) Find its length. (2 marks)

(ii) Work out its perimeter. (2 marks)

(b) How many ml are in $^3/_{10}$ of a litre? (2 marks)

32. The graph below shows the number of fish sold by Mrs. Kabonge in Nakawa Market last week. Use it to answer the questions that follow.



(a) On which day was the highest number of fish sold? (1 mark)

(b) How many more fish was sold on Tuesday than Friday? (2 marks)

(c) Find the average number of fish sold that week. (2 marks)