RAAYAT ISLAMIC NURSERY AND PRIMARY SCHOOL

P.6 FORTNIGHT TEST I TERM III 2023

MATHEMATICS

NAME: ....

SECTION A

1. Work out: $21 + 12$.

2. Set P= {a,b,c,}.
How many subsets are there in set P?

3. Write 72,004 in words.

_____

_____

_____

_____

4. Complete the sequence below;

   13, 16, 19, 22,_____,_____

5. Shade A-B

   A   B
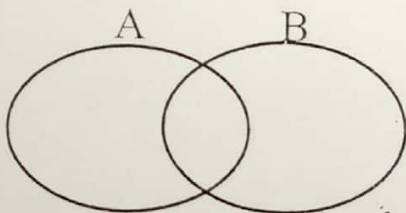
6. Work out: $3-7+13$

7. Without dividing, circle one number which is divisible by 3.

   901, 177, 305

8. Simplify: $x+y+ 2x + 4y$.

9. Solve: $3a = 21$

10. Workout: $\frac{5}{6} - \frac{2}{3}$

11. Decrease 800litres of milk in a ratio of 5:8.

12. Prime factorise 24 and write your answer in subscript form.

13. 4 books cost sh.2400. Find the cost of 3 similar books.

14. A lesson started at 8:00am. If it lasted 1 hour 30min. At what time did it end?

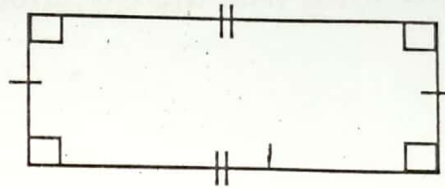15. In the space below construct an angle of 60^0 using a pair of compasses, pencil and a ruler only.

16. Workout the area of the figure below;
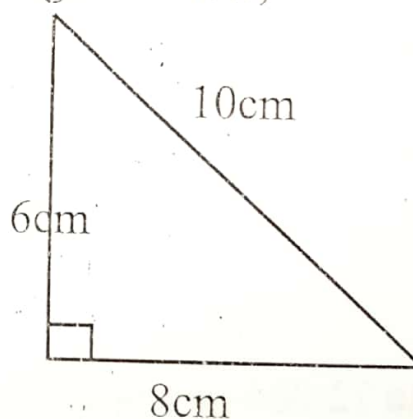
17. If represents 9 cups. Draw pictures to represent 36 cups.

18. Express 72 km/hr as metres per second.

20. How many lines of symmetry has the shape below;

19. Nambi had 20 litres of milk. She sold using a half litres cups. How many cups did she get?

SECTION B

21. The sum of three consecutive counting numbers is 36.

a) Find the numbers   (3marks)

(b) Find the range (2mrks)

22. Abus used 2 cover a certain distance at a speed of 60km/hr.
a) How long was the distance? (2marks)

b) If on his return journey, it took him 3 hrs. calculate the average speed for the whole journey. (3mrk)

23. In a P.6 class, there are 42 pupils, 30 of them like Rice (R), while 28 pupils like Posho (P). If x Pupils like both types of food;
a) Complete the Venn diagram below.   (3marks)

$n(\varepsilon) =$ _____
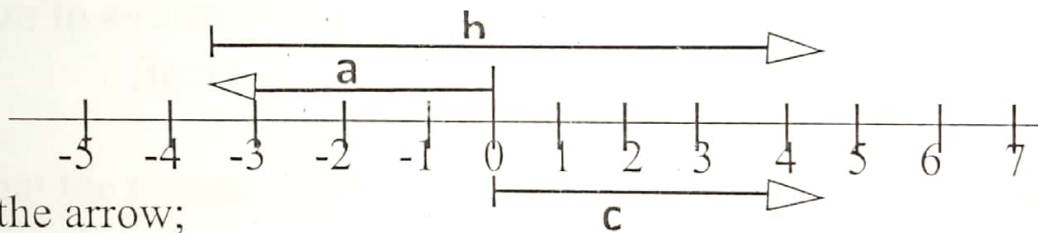
n (R)=_____   n (p)=_____
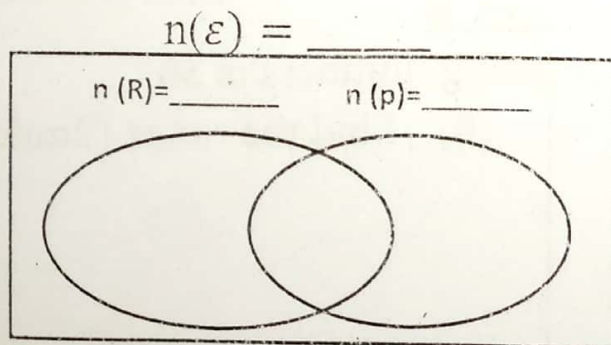
b) Calculate for the value of x. (2 marks)

24. a) Find the value of 2 in 0.725. (2mrks)

b) Work out: $\dfrac{0.24 \times 0.3}{0.08}$ (3mrks)

25. Study the numberline below and answer the questions that follow.

a) Name the arrow;

i) a_____ ii) _____

iii) _____

a) Write the mathematical statement for the arrows. (2mrks)

26. In a school $\frac{2}{5}$ of the pupils are boys and the rest are girls.

a) Find the fraction for girls. (1mrks)

5

b) If there are 400 pupils in the school; Find the number of:

(i) boys

(ii) girls   (2mrks)

c) How many more girls are there than boys?   (2mrks)

27. The Venn diagrams below represents prime factors of two numbers.

Fp   FQ   a) Find the value of;

3_2 2_1 5_1

3_1
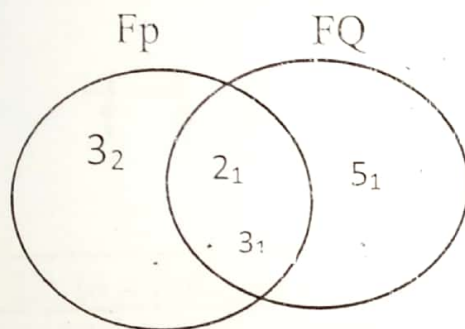
(i)   p

(ii) Q   (2marks)

b) What is the LCM of P and Q.   (2mrks)

c) Find the GCF. (1 mark)

28. In the space below; construct a regular hexagon in a circle of radius 4cm. (4mrks)
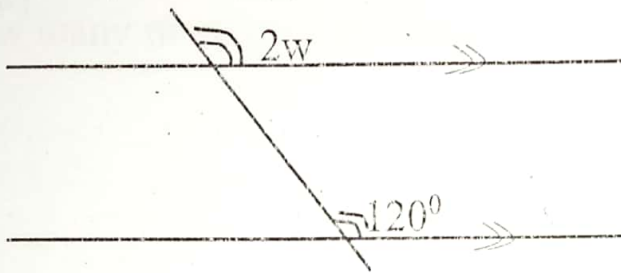
b) Work out the perimeter of the hexagon. (1mrk)

29. a) One pen costs sh.500. Find the cost of 4pens? (2mrks)

b) 3 men can do a piece of work in 6 days, how long will 9men take to do the same piece of work? (3 marks)

30.
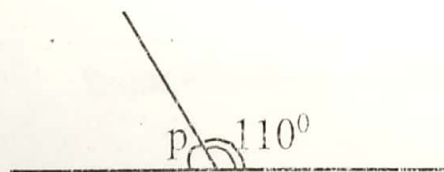

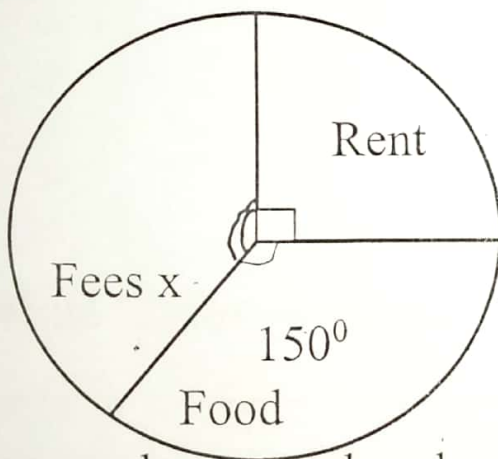a) Find the value of w. (3mrks)

b) Find the value of p. (2mrks)

31 a) Solve; a − 2 = 7   (2mrks)

b) Solve; 3g + g + 2g = 30.   (3mrks)

32. The pie-chart below shows how Mukisa spends sh.360, 000 every month. Use it to answer the questions that follow;

a) Find the value of x.   (2 marks)

b) How much money does he spend on food than rent?   (3mrks)