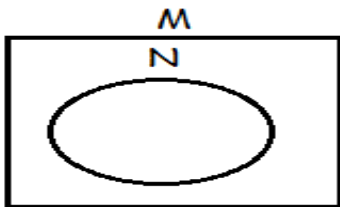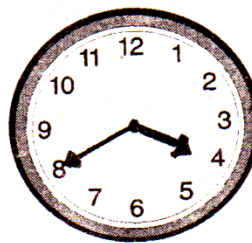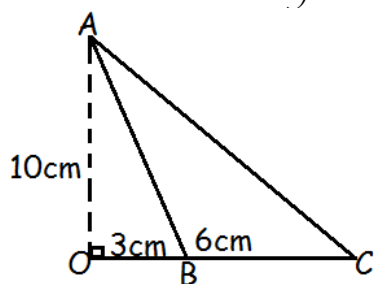|	
1. Multiply: 140 x 4	2. Write in figures: Ninety nine thousand nine hundred thirteen.
3. Fund the next two numbers in the sequence below: 1, 3, 6, 10, 15, _____, _____	4. When a die is rolled once, what is the probability that a composite number will show up?
5. Solve: $2x + 5 = 17$	6. Change 4800 metres to kilometers.
7. The Venn diagram below shows sets N and M. What is the relationship between the two sets? M N	8. Express the evening time shown on the clock face in 24 hour clock.
9. Simplify: $6m - 2n + 5n - 3m$.	10. Work out: $^-5 - ^-3$

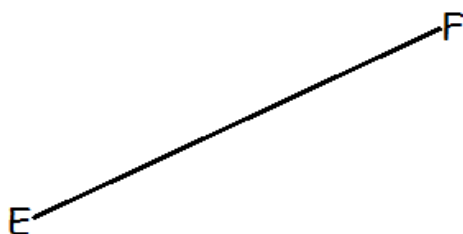| 11. Convert 1101_{two} to decimal base.	12. Work out: $0.004 \div 0.2$

13. Work out the area of the triangle below.

14. Find the square root of 1.96.	15. What percentage of 2kg is 60g?

16. Using a pencil, a ruler and pair of compasses only, drop a perpendicular from K to meet line EF at P.

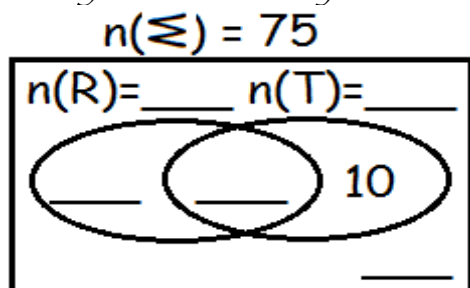| 17. Round off to the nearest ten thousands 357,268.	18. Express 0.7272……… as a common fraction.

19. Today is Friday, what day of the week was it 58 days ago?

20. The cost of 30 exercise books of 96 pages is shs.6000. Find the cost of 12 exercise books of the same type?

SECTION B (60 MARKS)

21. In a village there are 75 homes of which $(x + 5)$ homes own Radios R only, 10 homes own Tvs (T) only, $(2x)$ homes own both radios and Tvs, while x homes own neither of the two.

a) Use the information to complete the Venn diagram below.

$n(\underline{\underline{\leqslant}}) = 75$

$n(R)=$_____ $n(T)=$_____
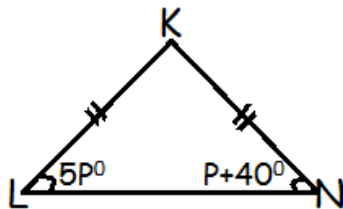
_____   _____   10

_____

b) Find the value of x.	c) How many homes own radios?

22. Given that $a = 2$, $b = 3$, and $c = 5$. Find the value of,
a) $(3a + b) + (3c + a)$

b) $\dfrac{b^3 - C^2}{a}$

c) $2(ab)^2$

23. A hot piece of metal 90^0C was placed in a refrigerator for 3 minutes. The temperature after 3 minutes was 60^0C.

a) How many degrees of temperature had been lost?

b) A woman borrowed shs.4000 after an hour, a fiend gave her shs.10,000. How much money did she have?

24(a) Construct a parallelogram XYZW in which XY is 8cm, XW is 5cm and angle X is 60^0.

b) Drop a perpendicular from W to meet line XY at P and measure the height WP.

25. Tayebwa built a room for renting in Town which was 4m long. 3m wide and 3m high with a ceiling. The room had a door 1m long and 2m high as well as a window 1m by 1m. He intends to paint it.

a) What is the surface area of the walls to be painted?

b) If he used tiles of 20cm by 20cm to cover the floor of his room. How many such tiles would he need?

26. Aguti scored the following marks in a weekly test as Maths 80, English 60, SST 80, and Science 28.

a) What is Aguti's modal mark?

b) Work out Aguti's median mark.

c) Calculate the mean mark for Aguti.

27. The figure below shows an isosceles triangle KLN. Use it to answer the questions that follow.

a) Find the value of P in degrees.	b) Work out the size of angle LKN.

28. A tax travelling at 90km/hr took 2hrs 20min to cover a certain distance.
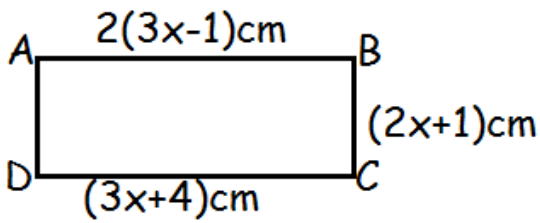
a) Find the distance covered.	b) Peter walks 25metres in 15 seconds. Express his speed in km/hr.

29(a) Work out: $$\dfrac{0.305 \times 0.48}{0.2 \times 0.006}$$	b) In a school there are 90 teachers. $\dfrac{5}{9}$ of them are males. How many male teachers are on the staff?

30. Below is rectangle ABCD. Use it to answer question that follow.

Calculate the area of the rectangle above.

A ———— 2(3x-1)cm ———— B

(2x+1)cm

D ———— (3x+4)cm ———— C
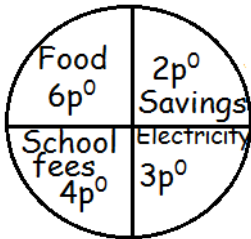
31. The interior angles of Quadilateral are, y^0, $2y^0$, $(y+10)^0$ and $(y+30)^0$.

a) Find the value of y in degrees.	b) What is the size of the largest angle?

32. The pie chart below shows how Kalema spends his salary. Use it to answer questions about it.
a) Find the value of p.

Food $6p^0$ | $2p^0$ Savings
School fees $4p^0$ | Electricity $3p^0$

b) If Kalema saves sh.48000 per month, how much money does he earn?	c) How much more does he spend on school fees than electricity?

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TWAHIRAH ISLAMIC DAY & BOARDING PRIMARY SCHOOL

PRE-PLE SET 1 – 2024
MATHEMATICS
Time allowed: 2hrs 30 minutes

NAME:

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District

name:……………………………………………………………………………………………………

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INDEX NUMBER: