b) How much money altogether did Mugisha pay back?

_____

19. Mugisha bought a bull at sh. 200,000 and sold it at sh.180, 000. What was his percentage loss?
[2004 No.16]

_____

20. Mary deposited sh.200,000 in a bank at a simple interest rate of 5% per annum. How much interest did she earn after 9 months?
[2004 No. 26]

_____

21. a) Okello's salary was increased by 10% to sh.77, 000 per month. Find his old salary.
[2004 No.34]

_____

b) If his new salary of sh.77,000 was decreased by 5%, find his final salary.
[2004 No. 34a/b]

_____

22. Mary deposited sh.80,000 in a bank which gives a simple interest rate of 7% per year. Find her interest after 6 months. **[2006 No.29]**

_____

23. The price of a shirt was increased by 10%. If the new price is sh.44, 000, find the old price.
[2006 No.30]

_____

24. Express 36 as a percentage of 80.
[2007 No. 11]

_____

25. A bank gives a simple interest rate of 12% per annum. What will be the interest on sh.400,000 banked for 9 months? **[2007 No.30]**

_____

26. Milk was mixed with water to make tea. If 14 litres of milk was used and this was 40% more than the amount of water in the tea, how much tea was prepared? **[2007 No.36]**

_____

GOLDEN BERRY PRIMARY SCHOOL
Namugongo, Kampala

END TERM 1 EXAMINATIONS
2020

PRIMARY SEVEN MATHEMATICS SET 1
Time Allowed: 2 Hours 30 Minutes

Name……………........................ **EMIS NO.....................................**

Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.

2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and section **B** has **12** questions. The paper has **16 printed pages.**

3. Answer all questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.

4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.

5. **No calculators** are allowed in the examination room.

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

6. Do not fill anything in the table indicated: **"For Examiners' use only"** and boxes inside the question paper.

Teacher's Comment to the learner

Turn Over

1. Add 476 to 0.36   ----------------------------

2. Work out $^-7 - ^-6$

....

3. Express 0.375kg into grams.

....

4. What number has been expanded to get $(4 \times 10^4) + (2 \times 10^2) + (0 \times 10^3)$?

5. Use a ruler and a pair of compasses to bisect the angle below.

....

6. Work out 2.6 x 0.25.

....

7. Round off 36. 349 to the nearest tenths.

....

8. Simplify (3x + 5) – (x + 1).

....

9. Jane is 12 years younger than James, if their total age is 36 years. How old is each?

....

10. Work out the sum of the values of 4 and 6 in the number 72.0406.

....

11. Express 1101_{two} to a decimal base.

....

12. What number has been written in scientific form below 3.14×10^4?

....

13. Calculate the area of the figure below

10cm

6cm

14cm

....
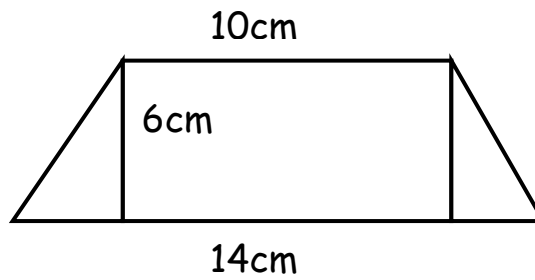
13. Work out $2\frac{1}{2}$ - $1\frac{1}{2}$

....

14. Express CDXLIV in Hindu Arabic numerals.

....

15. Arrange the following integers in descending order using a number line.

7, -4, -2, 0, 1, 3, -9.

....

16. If a = 2, b= 3, c= 0 and d – 5, evaluate a + d – bc.

....

17. Workout 5 + 8 x 3 – 6 ÷ 2.

    ....

18. Find the next number in the sequence below.

    216, 125, 64, 27, ____, ____

    ....

19. Workout using distributive property

    (8 x 15) – (8 x 12)

    ....

SECTION B: (60 MARKS)

20. Given the digit 4, 3, and 9.
    a) Form all the possible 3 digit numbers from the above.

    ....

b) Find the sum of the longest and the smallest numbers formed.

c) What is the probability of picking an even number formed from the above digit?

21. a) By using a ruler a pencil and a pair of compasses only construct a triangle PQR where PQ = 8cm QR = 6cm and angle QPR = 60^0.

b) Measure

   i) Angle PQR _____

   ii) Line PQ _____

22. A woman spend $\frac{1}{3}$ of her salary on treatment, half of the remainder on transport and saved sh. 50,000.
a) What fraction did she save?

b) Calculate the monthly salary.

23. The electricity power metre reading at the end of the month was
    1546837, if 83 units were used at the end of the month,
    a) Find the metre reading at the beginning of the month.

    b) Workout the amount of money paid if a unit cost sh. 550 and VAT of
       sh. 22,000 per month.

24. Study the number line below and use it to answer the questions that
    follow.
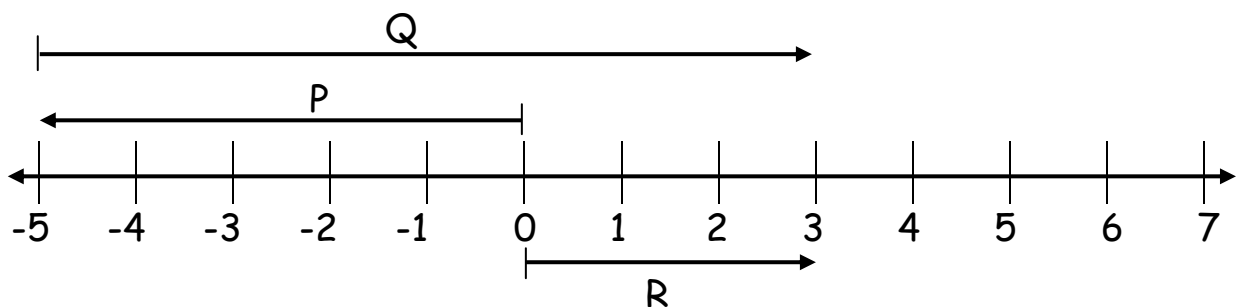
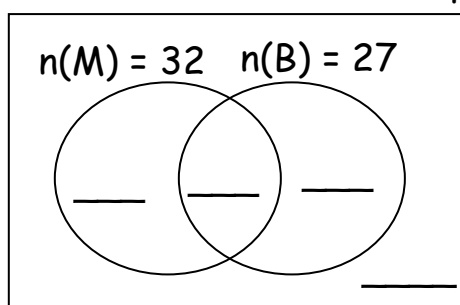a) Identify the integer shown by arrows

i)   P _____

ii)   Q _____

iii)   R _____

b) Write the mathematical statement for the above

25. a) Solve for X if 3m + 2 = 7

c) Solve and give the solution set for: y if $5 (x + 2) > 3 (x -2)$

26. In a village of 75 people, 32 people grow maize (M) 27 grow beans (B) and 21 grow other crops.

a) Use the above information to complete the venn diagram below.

n(M) = 32   n(B) = 27

n(Σ) = 75

b) Find the number of farmers who grow both maize and beans.

c) How many farmers do not grow beans in the village?

d) Find the number of farmers who grow beans and maize or both.

27. A piece of cloth was centrally placed on a table top as shown below study it carefully and answer the questions that follow.

20cm 30cm

50cm

70cm
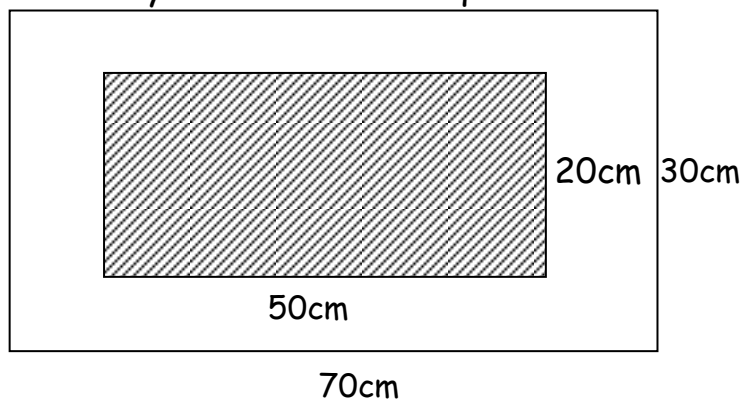
a) Work out the area of the piece of cloth.

b) Calculate the area of the uncovered parts with the piece of cloth.

28. The bus moving at a speed of 80km/w took $2\frac{1}{2}$ hours from Mbale to Kampla, on the way back to mbale it rested for 30 minutes in Jinja and continued moving at a speed of 100km/hr to Mbale.
a) How far is Kampala from Mbale?

b) Calculate the average speed for the whole journey.

29. Study the figure below carefully and answer the questions that follow.

A

$(X + 20)$

$(2x + 30)^0$ $(x + 80)^0$

B   C
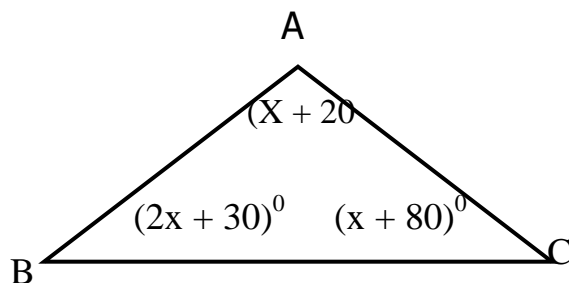
a) Find the value of X.

b) Calculate size of angle ACB

30. a) A man harvested 60 bags of potatoes. Each bag contained 50kgs of potatoes. Each kg of potatoes cost sh. 1500
    a) How much money did he get after selling all the 60 bags of potatoes?

    b) If Omondi bought the potatoes from the man and sold it again making a profit of sh. 50,000. How much did he get altogether?

31. The pie chart below shows how James spends his pocket money of sh. 120,000.
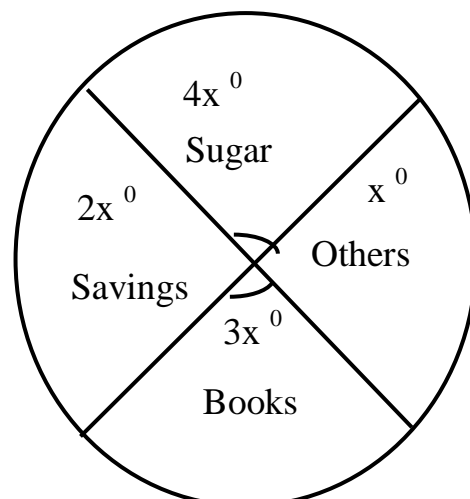
a) Find the value of x.

b) How much money does he spend on each item?

c) How much more money does he spend on sugar than books?

End.