NAMAGUNGA PRIMARY BOARDING SCHOOL
P.7 REVISION WORK -   MATHEMATICS SET 1 - 2020

Time allowed: *2 ½ Hours*

Index No;

Candidate's Name:…………………………………………………

Candidate's Signature:………………………………………………

School Name:……………………………………………………

District:…………………………………………………………..

Read the following instructions carefully.

FOR EXAMINERS' USE ONLY

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Qn. No.	**MARKS**	**EXR'S NO.**

1.   This paper has two sections **A** and **B.**

2.   Section **A** has **40** short questions (40 marks)

3.   Section **B** has **12** questions (60 marks)

4.   Answer **ALL** questions. All answers to both sections

       A and **B** must be written in spaces provided.

5.   All answers must be clearly written using blue or

       black ball point pen or ink. Only diagrams should

       be drawn in pencil.

6.   Unnecessary changes of work may lead to loss of

       marks.

7.   Do not fill in the boxes. They are for examiners' use only.

SECTION A: 40 (MARKS)

1. Work out: 12×4.

2. Write 8,049 in words.

3. Work out: $1\frac{1}{3} - \frac{3}{4}$

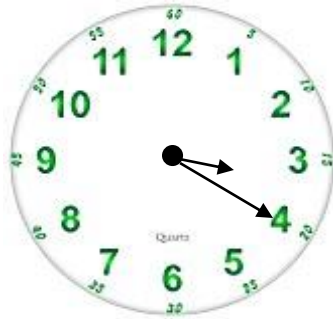**4.** Shade the complement of (P-Q) on the Venn diagram below:
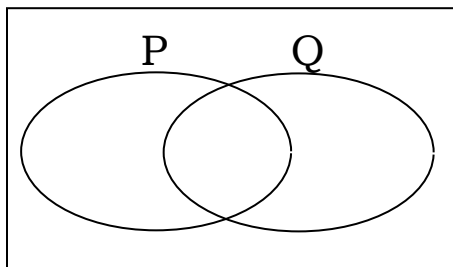
5. Find the next number in the sequence below:

55, 30, 14, 5, _____

6. Simplify: 3p - 4r - 5p + 5r

7. Without the help of a protractor, construct an angle of 105^0.

8. Write the afternoon time on the clock face below in a 24 hour clock system.

9. Wok out:

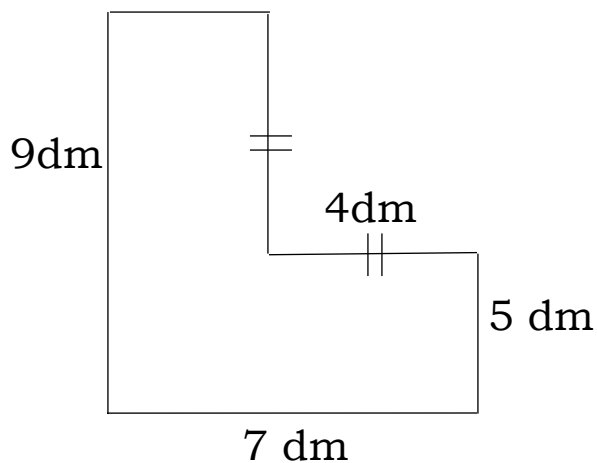| litres	ml
5	850
+ 7	590

_____

10. Given that US $.1 is equivalent to Ug.sh.3,750, how much does Odama get in Uganda Shillings if a tourist offered him 125 US dollars?

11. Simplify: $^-5 - {}^+7$

12. Express 6 hours as a percentage of a day.

13. My grandfather was born in 1919. Express the year my grandfather was born in Roman numerals.

14. Find the distance round the figure below:
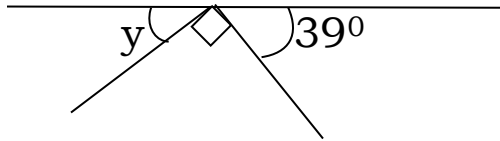
9dm

4dm

5 dm

7 dm

15. Aine had 1257 hens and sold 828 of them. If she later bought more 263, how many hens does she have currently?
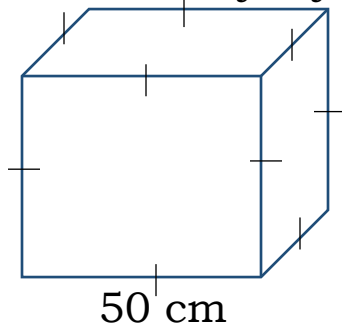
16. Find the mean of 4, 0 , 2m, 6 and 3m.

17. Given that K = {cows with two legs each} How many subsets has set K?

18. Work out: 2 − 4 = ___(finite 5).

19. Find the size of angle marked **y**.

20. The figure below shows a container of water Mukasa's family uses everyday. How many litres does the family use daily?
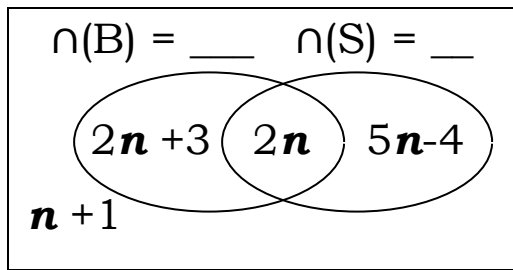

50 cm

SECTION B: 60 MARKS:

21 (a).Simplify:$\dfrac{0.24 \times 0.39}{0.08 \times 1.3}$ **(03 marks)**

(b) Express 0.133... as a common fraction in its lowest term.

(02 marks)

22. The Venn diagram below shows the number of hunters in a village who use bows (B) and spears (S).

∩(B) = ___   ∩(S) = __

2n +3   2n 5n-4

n +1

(a) Given that 23 hunters use bows altogether, find the value of n.

(02 marks)

(b) Find the total number of hunters in the Village.   **(02 marks)**

(c) Find n(BUS)[1]   **(01 mark)**

23. (a) The LCM of x and y is 180 and their HCF is six. If x is thirty six, find the value of y.

(b) Express the value of y as a product of its prime factors.
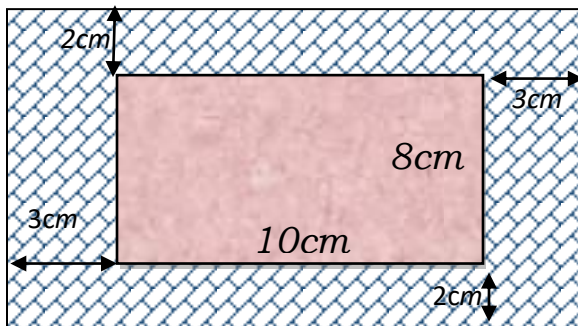
(02 marks)

24. The bill table below shows the items bought by Ms Akidi.
(a) Complete the table.

ITEM:	QUANTITY:	UNIT COST:	AMOUNT:
Rice	1 ½ kg	sh.3,800 per kg	_____
cooking oil	500 ml	sh.5,500 per litre	_____
Bread	3 loaves	sh._____per loaf	sh.12,000
Sugar	_____kg	sh.3,400 per kg	sh._____
Total Expenditure:			sh. 27,250

(b) If Ms Akidi remained with sh.2,750, how much money did she go shopping with? **(01 mark)**

25. The figure below shows a stool a disabled man uses when he visits a latrine.

(a) Find the length of the stool. **(01 mark)**

(b) Find the width of the stool. **(01 mark)**

(c) Calculate the area of the shaded part. **(03 marks)**

26. In an interview, 5 marks were awarded for every correct answer and 2 marks were deducted for every wrong answer given. If a candidate answered 17 questions correctly and failed 3 questions, find the mark the candidate scored.

(04 marks)

27.(a) Solve: $p^2 - 7 = 18$. **(02 marks)**

(b) Subtract x - 3 from 5x - 3. **(02 marks)**

28. (a) Using a pair of compasses, a ruler and a sharp pencil only, construct a triangle BMW where $\overline{BM}$ = 7cm and angles B and M are 60^0 and 45^0 respectively. **(04 marks)**

(b) measure $\overline{MW}$ **(01 mark)**

29. The ratio of bulls to cows on a farm is 7:3 respectively. If there are 28 more bulls than cows,

(a) how many animals are on the farm? **(03 marks)**

(b) find the number of cows. **(01 mark)**

(c) find the number of bulls. **(01 mark)**

30. A lorry carrying cargo left town M for town **N** at 7:45 a.m. travelling at a speed of 60 km/hr. and reached at 11:00 a.m. After unloading the cargo, it left town **N** for town **M** at midday travelling at a speed of 75 km/hr.
   (a)   What is the distance between the two towns?   **(03 marks)**

   (b)   At what time did it arrive at town M?   **(02 marks)**

31. The tank below is currently holding 72 litres of fuel.

80 cm

h

20 cm

40cm
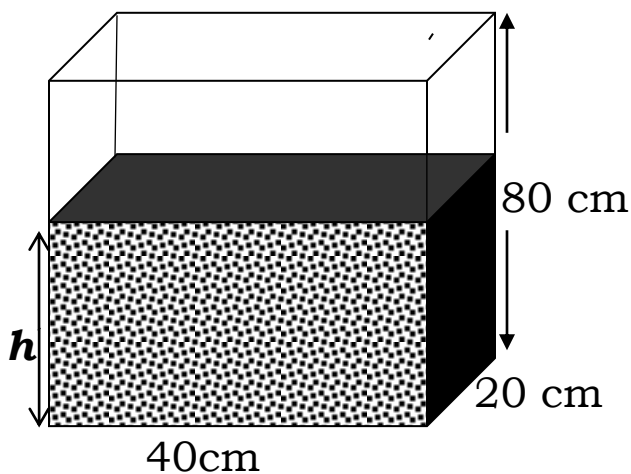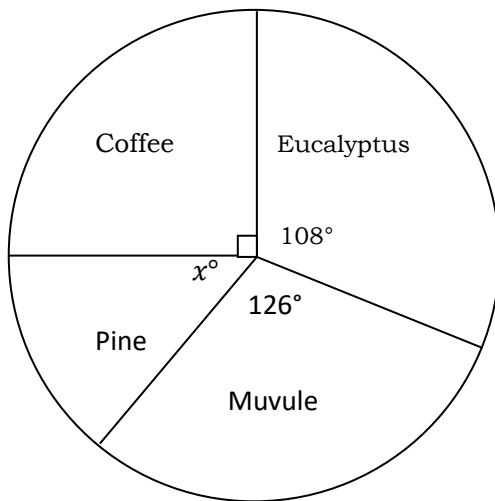
   (a)   Find the value of **h**.   **(03 marks)**

(b) How many litres are needed to fill the tank?

(02 marks)

32. The pie chart below shows the distribution of seedlings.
    (a) Find the value of **x**.

(02 marks)

b) If there were 72 Pine seedlings; how many seedlings were distributed altogether?

(02 marks)

c) How many more Muvule seedlings were distributed than Eucalyptus seedlings? **(01 mark)**