MBUYA PARENTS' SCHOOL

PRIMARY SEVEN HOLIDAY WORK FOR TERM 1 2020 - DAY 1
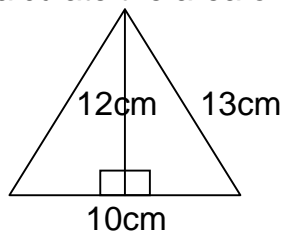
MATHEMATICS

Name: _____ **Stream:** _____

1. Divide: 20 ÷ 4 =

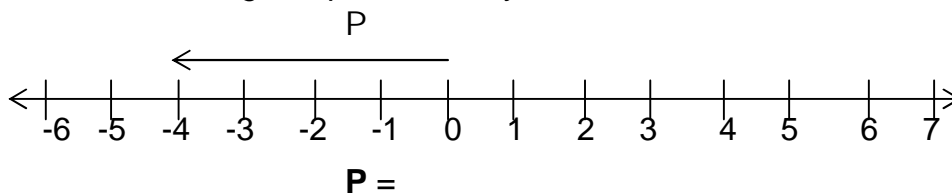2. What number has been expanded to give $(4 \times 10^3) + (5 \times 10^1) + (3 \times 10^0)$

3. Calculate the area of the figure below.

12cm   13cm

10cm

4. Given that K = {1, 2, 3, 4, 5} and M = {2, 4, 6, 8}
   Find n(K∪M)

5. Convert $\dfrac{1}{8}$ as a decimal number.

6. Find the integer represented by letter **P**.

P

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

P =

7. A television set costs …150. How much is this in Uganda shillings if ...1 is equivalent to UG Sh. 3500?

8. Study the following letter cards.

| E | N | V | I | R | O | N | M | E | N | T |

What is the probability of choosing letter **E** ?

9. Find the next number in the sequence below.

1, 3, 6, 10, 15, _____

10. Round off 2791 to the nearest hundreds.

11. Using a ruler, a pencil and a pair of compasses only. Construct an angle of 30^0 in the space below.

PRIMARY SEVEN HOLIDAY WORK FOR TERM 1 2020 - DAY 2

12. Increase shs. 3000 in the ratio 6:5

13. Add: 3 4_{five}

    +1 2_{five}

    _____

14. The area of a rectangular piece of garden is $36m^2$. Find its width if the length is 9m.

15. Simplify: $5b - 2x - b + 7x$

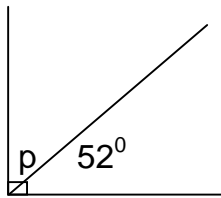16. Use distributive property to work out
    $(75 \times 6) + (25 \times 6)$

17. If represent 12 balls, how many balls are represented by

     ?

18. Kayiza's car uses 42000ml of petrol every week. Express its weekly consumption in litres.
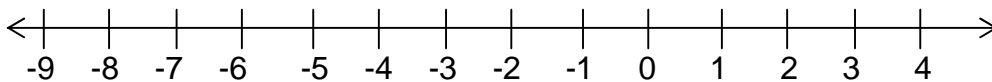
19. Find the value of p in the figure below.

p 52^0

20. The first half of the football match ended at 5:25p.m. after being played for 45 minutes. At what time did the match start?

21 (a) Use a number line to work out   *(2 marks)*

4 x ⁻2 = _____

-9 -8 -7 -6   -5 -4 -3 -2 -1   0   1   2   3   4

(b)   Work out: 2 – 5 = ____ Mod 7   *(1 mark)*

(c)   Today is Monday. What day of the week will it be after 30 days? *(2 marks)*

22a)   What is the place value of the digit 5 in the number 450028?   *(1 mark)*

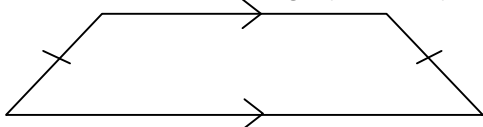(b)   Write 6708 in standard form.   *(2 marks)*

(c)   Write in figures: Twenty four thousand fourteen.   *(1 mark)*

23a)   Find the side of a right angled triangle marked letter x.   *(2 marks)*

8cm

10cm   x
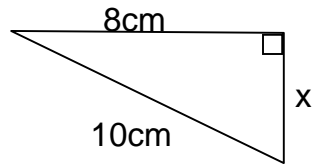
(b)   What special name is given to a regular quadrilateral?   *(1 mark)*

(c)   Mark lines of folding symmetry of the figure below.   *(1 mark)*

5

24a) Matovu drove from town **A** to town **B** a distance of 80km. He left town **A** at 8:00 a.m. and reached town **B** at 10:00 a.m. Find the average speed from town **A** to **B**. *(3 marks)*

(b) Express $2\frac{3}{4}$ hours to minutes. *(2 marks)*

25. In a class of 58 pupils, 30 pupils eat Matooke (M), x pupils eat Posho (P) only, 4 pupils eat both matooke and posho. 2 pupils eat neither Matooke nor Posho.

(a) Represent the information on the venn diagram below. *(2 marks)*

n( ) = 58

n(M) = 30   n(P)

4

2
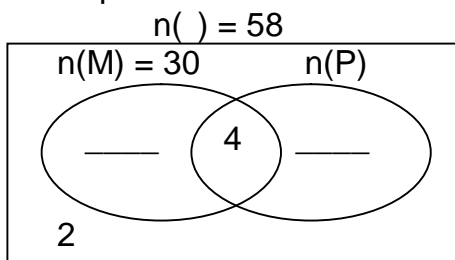
(b) How many pupils eat posho? *(3 marks)*

26a) A factory produces 1000 litres of juice everyday. If the juice is packed in bottles of 0.25 litres, how many bottles will be packed? *(2 marks)*

(b) Work out: $\dfrac{0.25 \times 3.6}{0.45}$ *(3 marks)*

27.   Kizza went to the market and bought the following:
           2kg of meat at sh. 8000 per kg.
           500gm of posho at sh. 2000 per kg.
           2 loaves of bread at sh. 4000 per loaf.
           2 ½ kg of salt at sh. 1000 per kg.

(a)   How much did she spend altogether?   *(5 marks)*

(b)   If she had a fifty thousand shilling note, what was her change?   *(1 mark)*

28.   Solve:
(a) $9x + 14 = 32$ *(2 marks)*
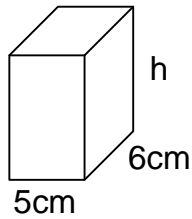
(b) $2t \times 3 = 12$ *(2 marks)*

(c)   If $a = 5$, $b = 2$ and $c = 1$ Find the value of $2a + 4b - 6c$ *(2 marks)*

29a) Find the volume of a cube with a side of 8cm.   *(1 mark)*

(b) The volume of a cuboid below is 120cm^3.

(i) Find the value of h.   *(2 marks)*

h

6cm

5cm

(ii) Find its total surface area.   *(2 marks)*

30a) Calculate the simple interest on sh. 80000 kept for 2 years at a rate of 20% per year.   *(2 marks)*

(b) Work out: $\dfrac{3}{4} - \dfrac{1}{2} \times \dfrac{1}{4}$ *(2 marks)*

31a) Using a ruler, a pencil and a pair of compasses only, construct a right angled triangle ABC, AB = 8cm, BC = 6cm and angle B = 90^0. *(4 marks)*

(b)　　Measure line AC. *(1 mark)*

32.   *The graph below shows malaria patients who reported at a certain hospital in the first half of the year. Study it and answer the questions that follow.*

No. of patients (vertical axis), **Months of the year** (horizontal axis)
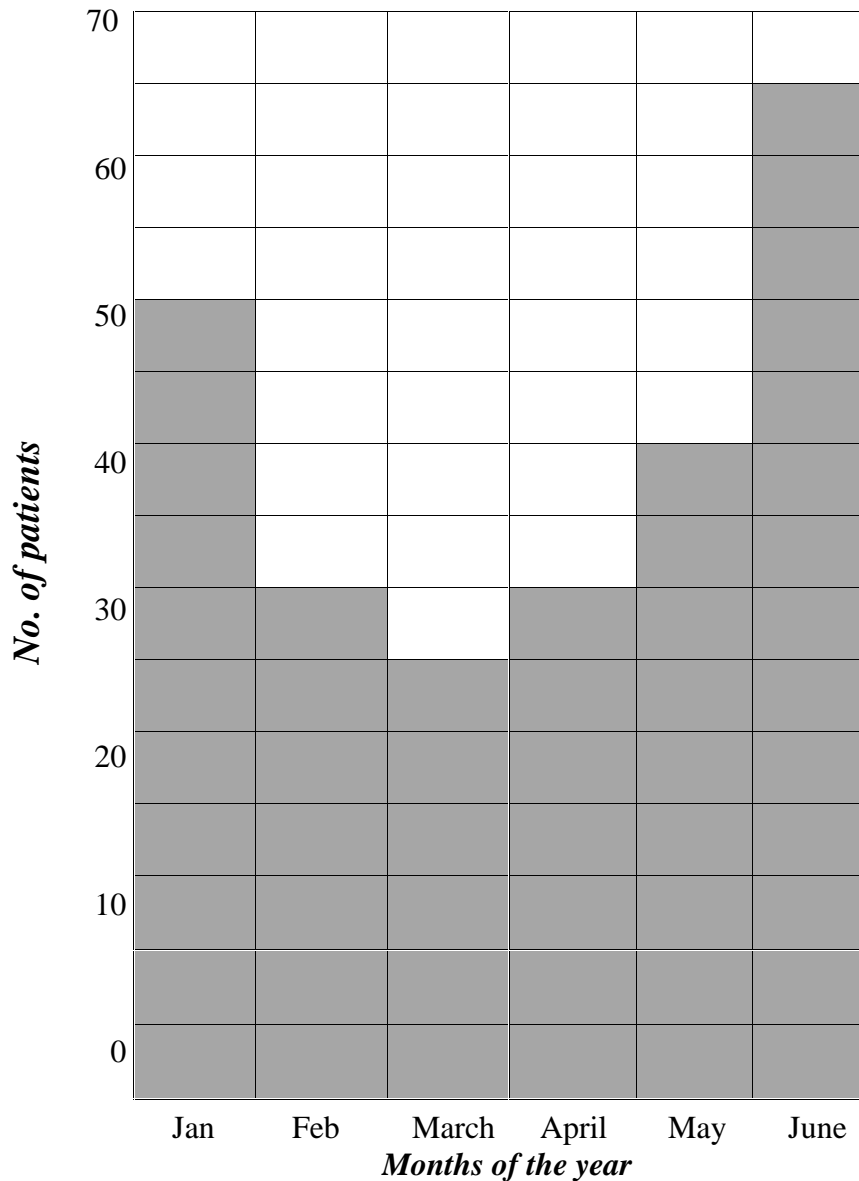
(a)   Complete the table   *(2 marks)*

Months of the year	Jan.	Feb.	March	April	May	June
Number of patients						

(b)   Find the average number of patients who reported at the hospital.
                                                                                                (2 marks)

(c)   If each patient was paying sh. 20000 for consultation, how much money did the hospital collect in June?   *(2 marks)*