DIVINE TRUST LEARNING CENTRE

POST COVID19 BASIC ASSESSMENT 2021
PRIMARY SIX MATHEMATICS

Name:_____

SECTION A (40 MARKS).

1. Work out: $46 + 57 =$

2. Simplify $8c - 4c + 2c$.

3. Expand 83902 using values.

4. Divide 192 by 12.

5. Given that set A= {2, 4, 6 }.
   Find the number of sub sets that
   can be got from set A.

6. Write sixty two thousand three hundred four in figures.

7. Solve $2y - 6 = 14$

8. Find the area of the figure.

8cm   10cm

6cm

9. Find the value of x in the figure below.

$$m \quad 40^0$$

10. Write down all the factors of 54.

11. Alex is 4 years older than Aksam. Their total age is 26 years. How old is Aksam?

12. Write LXXXIX in Roman numerals.
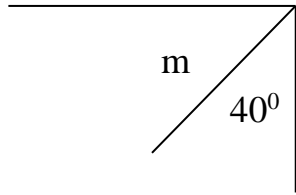
13. Find the next number in the sequence.

2, 3, 6, 11, 18, _____.

14. It started raining at 9:00am and stopped at 12:00 noon. For how long did it rain?

15. Write in 336,497 in words.

16. Work out

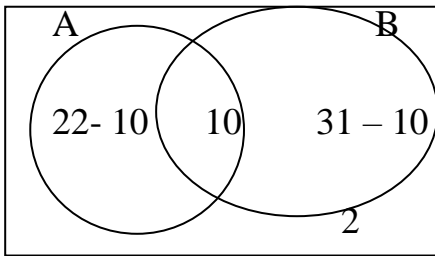| Weeks	Days
4	6
+ 2	3

17. Find the sum of the first five composite numbers.

19. Share 496 pens equally among 12 pupils.

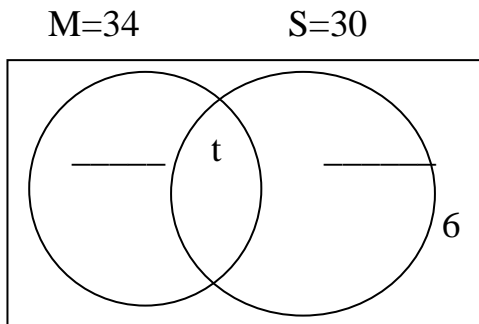20. Simplify -3 - $^+$5.

18. Use the venn diagram.

Nn($\sum$)= _____

A _____ B
| 22- 10 | 10 | 31 – 10 |

2

Find ∩($\sum$)= _____

SECTION B (60 MARKS)

21. A class of 60 pupils, 34 like maths(m), 30 like science(s), t like both maths and science and 6 donot like any of the two subjects above.(2 mks)
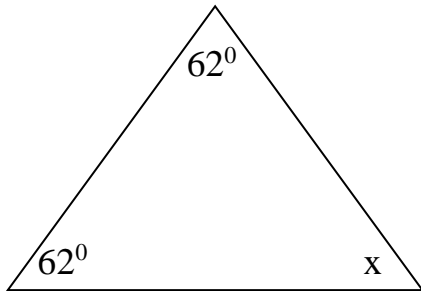(a) Complete the venn diagram.

M=34   S=30

_____ t _____

6

(b) Find the value of t.(2mks)

(c) How many pupils like one subjects only?(2mks)

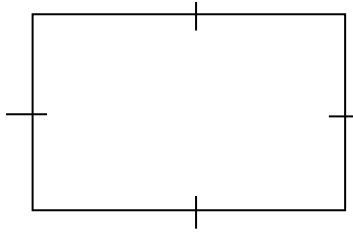22.(a) change $2\ 1\ 4_{\text{six}}$ to base ten.(2mks)

(b) Workout: $42_{\text{five}} - 13_{\text{five}}$. (2mks)

23. (a) In the figure below, Find the value of x. (2marks)

(b) Find the component of 70^0.(1mk)

(c) How many lines of folding symmetry has the shape?(2mks)

24. A bus left town M for town P at 9:00am travelling at a speed of 108 km/hr.
The bus reached town P at 12:00 noon.
(a) Calculate the time taken by the bus to reach town P.(2mks)

(b) Find the distance between town M and P. (2mks)

(c) Express 12km in metres. (1 mk)

25. In a class of 60 pupils, $\frac{7}{12}$ are girls and the rest are boys.
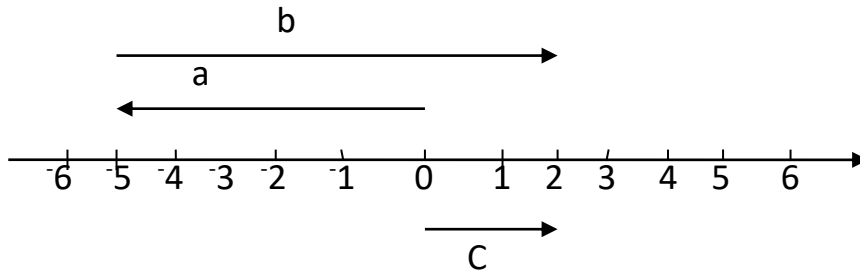
(a) Find the fraction of boys.(2marks)

(b) How many more girls than Boys are in the class?(3mks)

26. Given that a=3, b=4 and c= 5

(a) Find the value of 2c + 3a - 2b.(3 mks)

(b) Solve 3x + 3 = 9.(3 mks)

27.Use the number line below and answer the questions.

(a) Find the values represented by the arrows.(3marks)

(i)   a=

(ii)   b=

(iii)   c=

(b) Write the mathematical statement represented by the above
    numbers.(2mks)

28.(a) Work out: $\dfrac{0.27 \; x \; 0.66}{0.09 \; x \; 8}$ (3 mks)

(b) Simplify $1\frac{1}{4} + 1\frac{3}{8} \div \frac{1}{4}$ (3mks)

29.(a) The ratio of cows to goats on a farm is 2 : 3. If there are 50 cows on the farm. Find the number of animals on the farm.(3mks)

(b) Find the number of goats on the farm. (2 mks)

30. Given that M= 6, K=2, and n= 8, Find the value of;

   (a) Mn + K (2mks)

   (b) Solve : $\frac{3p}{8}$ = 24 (3mks)

31. Birungi went for shopping with sh. 20,000= and bought the items below.

   2kg of maize flour at sh. 2,200@kg.

   500g of beef at sh. 6,000@kg.

   $\frac{1}{2}$kg of salt at sh. 1,000@ kg.

   (a) What was her total expenditure? (4mks)

(b) How much was her balance? (2mks)

32. With the help of a ruler and a pair of compasses only, construct a regular hexagon of sides 3cm. (3mks)

(b) Find the total distance around the figure. (2 mks)

END.