BLESSED HOPE CHAMPIONS NURSERY AND PRIMARY SCHOOL

MATHEMATIC SET 2 PRE MOCK 2024 TIME: 2 HOURS AND 15 MINUTES

Name: …… Index Number: ……..

SECTION A

1. Add 3.6 to 94

2. Express 00 35 hours in 12hour clock system

3. Write 469 in Roman numerals

4. The diagonals of a kite are 8 cm and 14 cm. calculate its area

5. 5. Find the cube root of 216

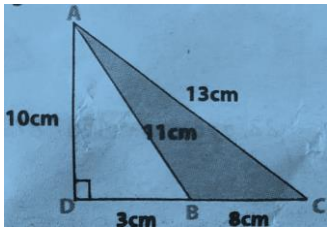
6. Solve 5-4p=13

7. 7 Circular cards of diameter 7 cm are to be cut out of the rectangular manila of length 60cm and breadth 30cm. Calculate the number of cards to be cut out

8. The polygon has 20 right angles. Name the polygon.

9. Use the distributive property to work out (14.5 x 8) -(4.5 x 8)

10. 10.Calculate the area of triangle ABC in the figure below



11. When marking a test of 30 questions a teacher awards 3 marks for every correct answer and deducts 2 marks for every wrong answer. If Nancy fails 4 numbers what mark will she score?

12. A set has 127 proper subsets does it have?

13. A square tiles of each side 10 cm are to be laid on a rectangular room measuring 8m by 5m, if a box of tiles containing 50 tiles costs sh. 200000. How much money is needed buy all the required tiles?
Calculate the number of cards to be cut

14. The area of a circle is 154 cm. find its diameter.

15. Factorise completely $6ay + 12ay^2$

SECTION B

16. The average of 6,8, 9 and p is 7. Find their range

17. A man is 45 years old now and his son. After how many years will the son be half the man's age?

18. Solve: zy+6By-3

b. Subtract y- 5 from 6y-4

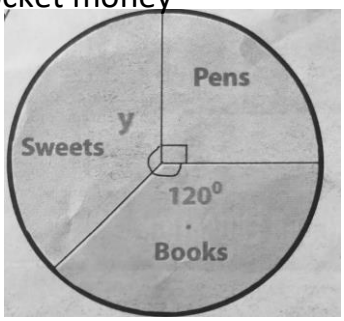
19. Given that y = 2x +1, complete the table below

X	-2	.....	0	.....	2	.....
Y	.....	-1	.....	3	.....	7

20.a) construct a Rhombus ABCD where diagonal
AC-8cm and diagonal BD=6cm

b. Find the perimeter of the Rhombus

21. The pie chart below shows how Hector spends his pocket money



a. Find the value of y.

b. If he spends sh. 9000 more on books than on pens.

22. a) Expand 4567.87 using exponents

b. Find the diameter of the cylinder which volumes 1540cm^3 and height 10cm

23 Global and Tausi bus companies release buses at intervals of 30 minutes and 50 minutes respectively. If both companies first release the first bus at 6.3Oam. At what time will they release another bus at the same time?

END