MOTHERCARE PREPARATORY SCHOOLS

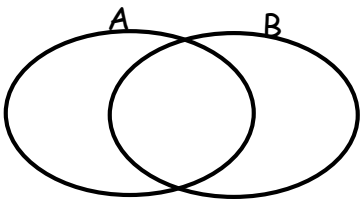
ASSESSMENT ONE - 2021

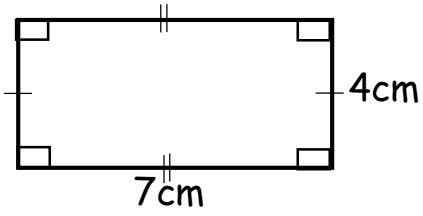
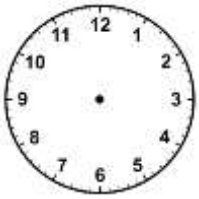
P.5 MATHEMATICS

NAME: _____ **STREAM** _____

BRANCH: _____

SECTION A (40 MKS)

1.	Workout: 12 + 13	2.	Expand 634 using values.
3.	Express 8 in tally form.	4.	Write 25 in Roman numerals.
5.	Workout: $\frac{1}{4} + \frac{2}{4}$	6.	Find the value of X. X – 4 = 16
7.	Draw an abacus and indicate 213.	8.	A cat has 4 legs. Find the number of legs on 8 cats.
9.	Shade set AnB. 	10.	Find the probability of a cow giving birth on a day that starts with letter S.

11.	Workout: 249 – 152	12.	Amanda had $6\frac{1}{2}$ pairs of mangoes. Express Amanda's pairs of mangoes into an improper fraction.
13.	Tom's piece of land is 5m wide. How wide is his piece of land in centimetres?	14.	Given the digits below; 6, 4, 0, 2, 9. Find their median.
15.	Calculate the area of the figure below.  	16.	A piece of cloth costs sh. 1500. Find the cost of 3 similar clothes.
17.	Workout: $213_{five} + 102_{five}$	18.	Find the next number in the sequence. 2, 3, 5, 7, ____
19.	Simplify: 2x + 4y + 3x + 2y	20.	On the clock face below; indicate a quarter to 2 O'clock. 

SECTION B

21.	Opio went to the market and bought the following items. ▪ 2kg of meat at sh. 24,000. ▪ A bar of soap at sh. 4,000. ▪ A packet of chocolate at sh. 5,000. ▪ 3kg of sugar at sh. 12,000 a. How many items did Opio buy? **(1mk)** b. Calculate the amount Opio used to buy meat and sugar altogether. **(2mks)** c. Find the cost of 2 packets of chocolate. **(2mks)**
22.	a. Solve for the unknown: 2m + 3 = 15 **(2mks)** b. $\frac{y}{6} = 2$ **(2mks)**

23. The table below shows the number of pupils from p.1 – P.3 of Mothercare.

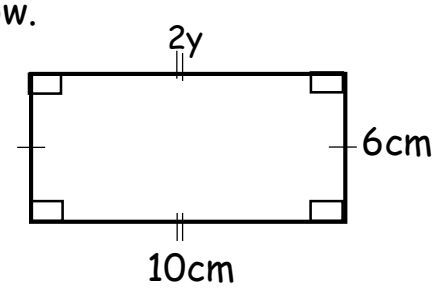
Class	**P.1**		**P.2**		**P.3**	
Stream	B	S	B	S	B	S
No. of learners	46	54	60	52	43	47

a. Which stream has the highest number of pupils? **(1mk)**

b. How many pupils are in P.2 class? **(2mks)**

c. Calculate the average number of pupils in Super streams. **(3mks)**

24. Study the geometric figure below and use it to answer questions that follow.

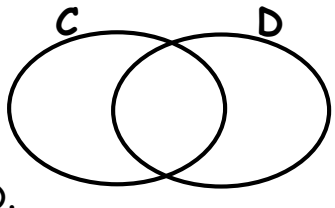
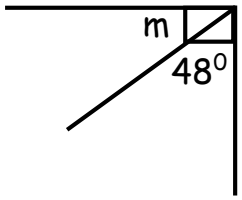


a. Name the figure above. **(1mk)**

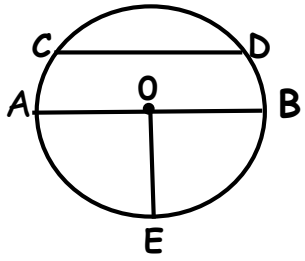
_____

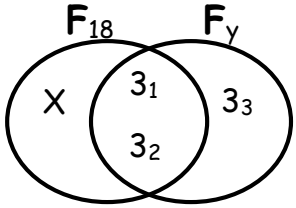
b. Calculate the value of y. **(2mks)**

c. Find the distance round the figure above. **(2mks)**

25.	Given the sets below; C = (a, m, e, n) D = (p, e, n, c, i, l) a. Represent the sets on the Venn diagram below. **(3mks)**  b. Find CnD. **(1mk)** c. What is C – D? **(2mks)**
26.	a. Calculate the value of angle m in the figure below. **(2mks)**  b. Find the complement of angle 60^0. **(2mks)**

27.	Tom is in primary five at Mothercare. Jane asked him the number of children in primary five and he said; There are $\frac{2}{3}$ girls in the class. a. Find the fraction for boys. **(1mk)** b. Find the number of girls in the class if the whole class has 66 pupils. **(2mks)** c. How many more girls than boys are in the class? **(2mks)**
28.	Workout: **(2mks@)** a. **Hrs** **min** 6 45 - 4 23 _____ _____ b. **wks** **days** 1 3 + 2 4 _____ _____

29.	a. Today is Monday, what day of the week will it be after 19 days? **(2mks)** b. Change 40_{ten} to base five. **(2mks)** c. Express 102_{five} to a decimal base. **(2mks)**
30.	Study the figure below.  a. Name point O in the diagram above. **(1mk)** _____ b. Name the line segments; **(1mk@)** AB _____ OE _____ CD _____ c. Find the radius of a circle whose diameter is 12cm. **(1mk)**

31.	Given the digits below; 2, 0, 9 and 6. a. Form the smallest 4-digit numeral using the digits above. **(1mk)** b. Write the smallest number formed in expanded form. **(1mk)** c. What is the sum of the smallest and largest number formed? **2mks**
32.	Use the Venn diagram below to answer the given questions.  (i) Find the value of X. **(1mk)** (ii) Find the value of Y. **(1mk)** (iii) What is the H.C.F of 18 and Y. **(2mks)** (iv) Find the L.C.M of 18 and Y. **(2mks)**

-<u>The end</u>-