

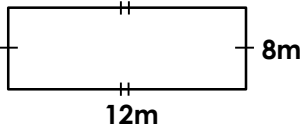
MOTHELCARE PREPARATORY SCHOOLS

ASSESSMENT WORK TERM II 2020 SET 1

PRIMARY SIX MATHEMATICS

Name: _____ Stream: _____

Branch: _____

1	Workout: 33×3	5	If set $Q = \{1, 2, 3\}$, how many subsets are in set Q?
2	Write 149 in Roman numerals.	6	Work out: $\frac{1}{4} + \frac{1}{2}$
3	Simplify: $-4 - +7$	7	Round off 46.483 to the nearest tenth.
4	Expand 4562 using values.	8	Find the area of the figure below. 


9 Harriet scored the following marks in a daily mental work exercise: 7, 8, 5, 9, 6, 8 and 2. What was her median mark?

10 Write two thousand thirteen in figures.

11 Change 0.4m to cm.

12 Use $<$, $>$ or $=$ to complete the statement.
 4^2 _____ $4 + 4$

13 Solve: $2p + 3 = 9$

14 If  represent 3 balls in a school. How many balls are represented below?



15 Find the H.C.F of 6 and 9.

16 A man was standing facing the western direction. He turned clockwise through an angle of 135° , find his new direction.

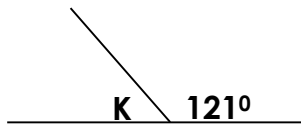
17 What number has been represented by the prime factors below:

$$\{2_1, 2_2, 2_3, 3_1, 3_2\}$$

18 Work out: $3 - 4 = \underline{\hspace{2cm}}$ (Finite 5)

19 If sh. 3600 is the cost of 4 books, find the cost of 5 similar books.

20 Find the value of **K** in degrees.

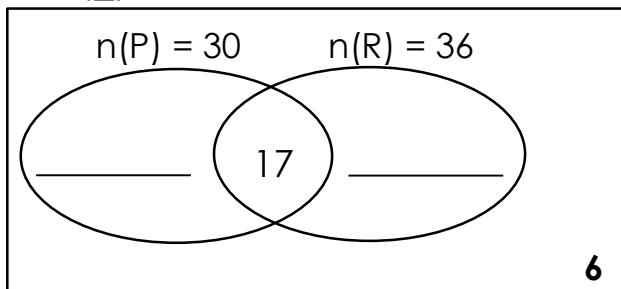


SECTION B

21 In a class of 55 pupils, 30 eat Posho (P), 36 eat Rice (R), 17 eat both Posho and Rice while 6 do not eat any of the two types of food.

a) Represent the above information on the Venn diagram. **(2marks)**

$$n(\Sigma) = 55$$



b) How many pupils eat only one type of food? **(2marks)**

c) What is the probability of picking a pupil who eats only one type of food?
(1mk)

22 Betty was told to form three digit numerals from cards numbered 6, 9, 8.
Write down the;

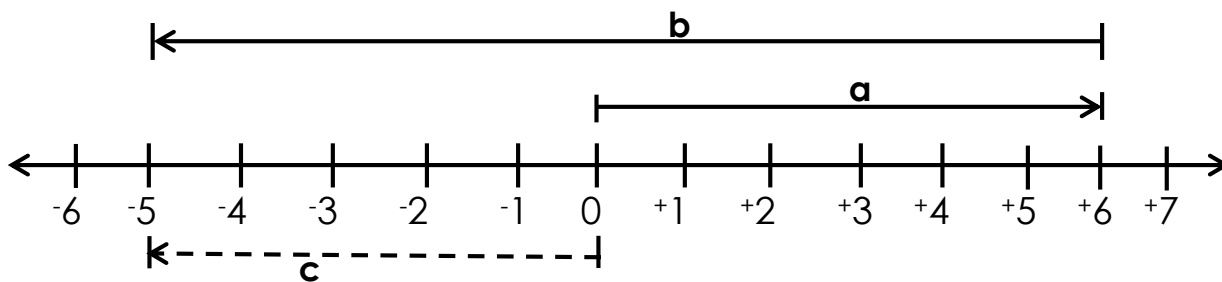
(i) largest number that was formed. **(1mk)**

(ii) smallest number that was formed. **(1mk)**

(iii) Find the product of the largest and the smallest number formed.
(3mks)

23 Using a ruler, a pencil and a pair of compasses only, construct a regular hexagon in a circle of radius 4cm. **(4mks)**

24 Study the number line and answer the questions that follow.



a) Find the value of; **(3mrks)**

(i) a _____ (ii) b _____

(iii) c _____

b) Write the mathematics statement for the arrows. **(2 marks)**

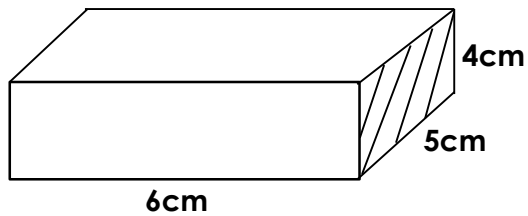
25 Given that $a = 3$, $b = 5$.

(i) Find $ba \div b$ (2mks)

(ii) $\frac{3b}{a}$ (2mks)

(iii) Simplify; $3(x - 2) - (x + 2)$ (2mks)

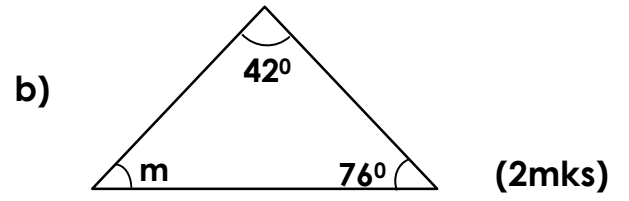
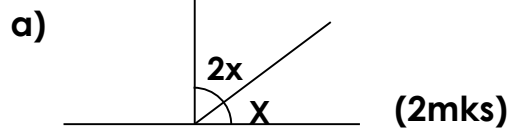
26 Study the figure below and answer the questions that follow.



(a) Calculate the area of the shaded part. (2mks)

b) Find the volume of the figure. **(2mks)**

27 Find the value of **x** and **m** in degrees.



c) Find the complement of 54° **(2mks)**

- 28 Below is Mr. Magembe's shopping bill.
- $1\frac{1}{2}$ kg of sugar at sh. 3,600 each kg.
 - 2kg of rice at sh. 2,400 each kg.
 - 500gm of posho at sh. 2,000 per kg.
- a)** How much did he spend altogether? **(4mks)**

b) If he remained with shs. 3,800, how much money did he go with? **(2mks)**

29 In a class of 80 pupils, $\frac{2}{5}$ of them are girls and the rest are boys.

a) Find the fraction of boys. **(1mk)**

b) How many boys are in the class? **(1mk)**

c) Find the number of girls in the class. **(1mk)**

30 **a)** Change 211_{five} to base ten. **(2mks)**

b) Add: $1041_{\text{five}} + 220_{\text{five}}$ **(3mks)**

31 Flavia scored the following marks in the promotional exams to P.6 as shown;
40 , 50 , 80 , 20 , 50

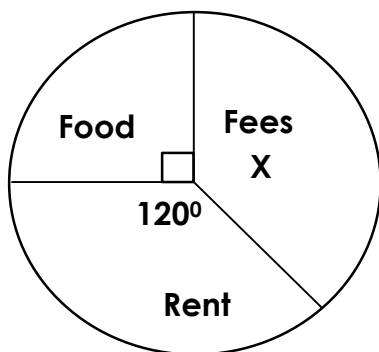
a) What is her modal mark? **(1mk)**

b) Calculate her median mark. **(1mk)**

c) Find her range mark. **(1mk)**

d) Calculate her mean mark. **(2mks)**

32 The pie chart below shows how a man spends his monthly income of shs. 240,000. Use it to answer questions that follow.



a) Find the value of **X**. **(2mks)**

b) How much money does he spend on rent? **(2mks)**

c) How much more money does he spend on fees than food? **(2mks)**

-End-