

# MOTHERCARE PREPARATORY SCHOOLS

## ASSESSMENT WORK TERM II 2020 - SET 2

### PRIMARY SIX MATHEMATICS

Name: \_\_\_\_\_ Stream: \_\_\_\_\_

Branch: \_\_\_\_\_

#### SECTION A

1	Workout: $31 \times 3$	5	Give that set $K = \{2, 3, 5, 7\}$ and set $P = \{a, b, c, d\}$ , describe the sets above.
2	Use a protractor to measure and draw an angle of $70^\circ$ in the space below.	6	Find the range of the following numbers 6, $-3$ , $+5$ and $-4$ .
3	Solve for m; $m - 4 = 9$	7	Work out: $12.8 + 9.2$
4	Find the square of 9.		

8 Tyra sold a dress at sh 37000 making a loss of shs 8000, how much did she buy the dress?

9 Find the value of 3 in  $130_{\text{five}}$

10 Work out:

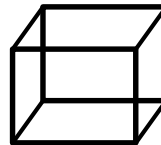
Wks	Days
5	2
- 2	5
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11 Convert 7250g to kg

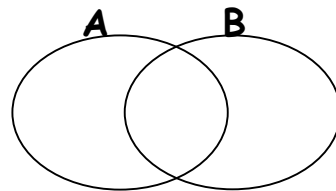
12 Work out:  $-3 - +5$  using a numberline.

13 Write 2019 in words.

14 How many vertices has the diagram below?



15 Shade the complement of  $(A \cap B)$



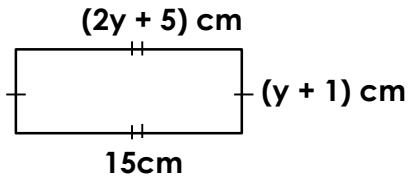
16 Work out:  $K^5 \div K^3$

17	If $P = 3$ and $Q = -4$ , evaluate $PQ$ .	19	Prime factorise 36 and give your answer in set notation.
18	If 40 out of 120 pupils in a class passed in division one, what percentage of the pupils got division one?	20	Round off 129.72 to the nearest whole number.

**SECTION B (60 Marks)**

- 21 Suzan has bank notes numbered from AP004300 to AP004399.
- a) How many bank notes does she have? (2mks)
- b) If each note is worth shs 50,000, how much money does Suzan have? (2mks)

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



a) Find the value of  $y$ .

(2mks)

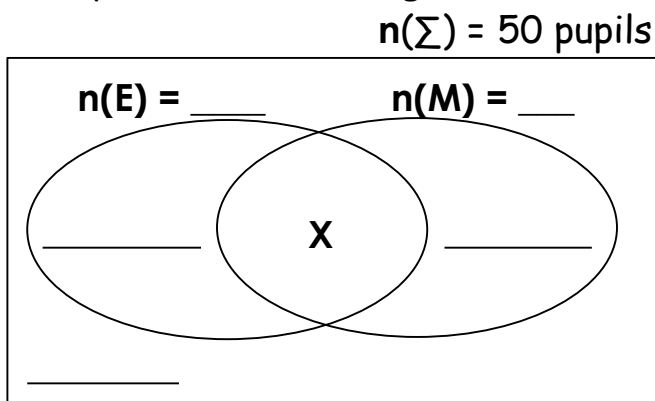
b) Calculate the perimeter of the figure above.

(3mks)

23 In a class of 50 pupils, 24 passed English (E) , 28 passed Mathematics (M), some passed both subjects and only 2 passed non of the two subjects.

a) Complete the venn diagram below.

(3mks)



b) How many pupils passed both subjects?

(2mrks)

c) If pupil is picked at random to become a class monitor, what is the probability that a pupil picked passed only one subject. (1mk)

24 The table below shows marks obtained by pupils in the mixed work test.

Mark	25	15	30	20
No. of pupils	3	2	4	1

a) How many pupils did the test? (2mks)

b) Calculate the average score. (3mks)

25 a) Expand 483 using place values. (2mks)

b) Find the sum of the value of 5 and the place value of 6 in 541.36. (3mks)

26 a) Using a sharp pencil, ruler and a pair of compasses only, construct rectangle PQRT of length 4cm and width 3cm. (4mks)

b) Find the length of diagonal PR. (1mk)

27 In a class, there are 20% more girls than boys;  
a) What percentage of the pupils are boys? (2mks)

b) If there are 120 girls in class, how many pupils are in whole class?  
(3mks)

28 a) A bus left Mbarara moving at a speed of 80km/hr and reached Kampala at 10:00 am, how far is Kampala from Mbarara if the bus left Mbarara at 8:00 am?  
(3mks)

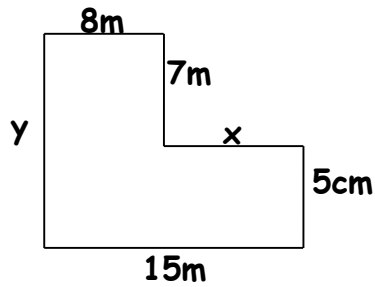
b) Work out:

<b>Weeks</b>	<b>Days</b>
4	3
+ 1	5
<hr/>	
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(2mks)

29 The sum of 3 consecutive odd numbers is 93. If their median is R, find the numbers.  
(5mks)

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



a) Find the value of;

(1mk @)

(i)  $x$

(ii)  $y$

b) Calculate the area of the figure above.

(3mks)

31 Juma borrowed shs 600,000 from a bank at an interest rate of 5% per annum for 2 years.

a) How much interest must he pay after 2 years?

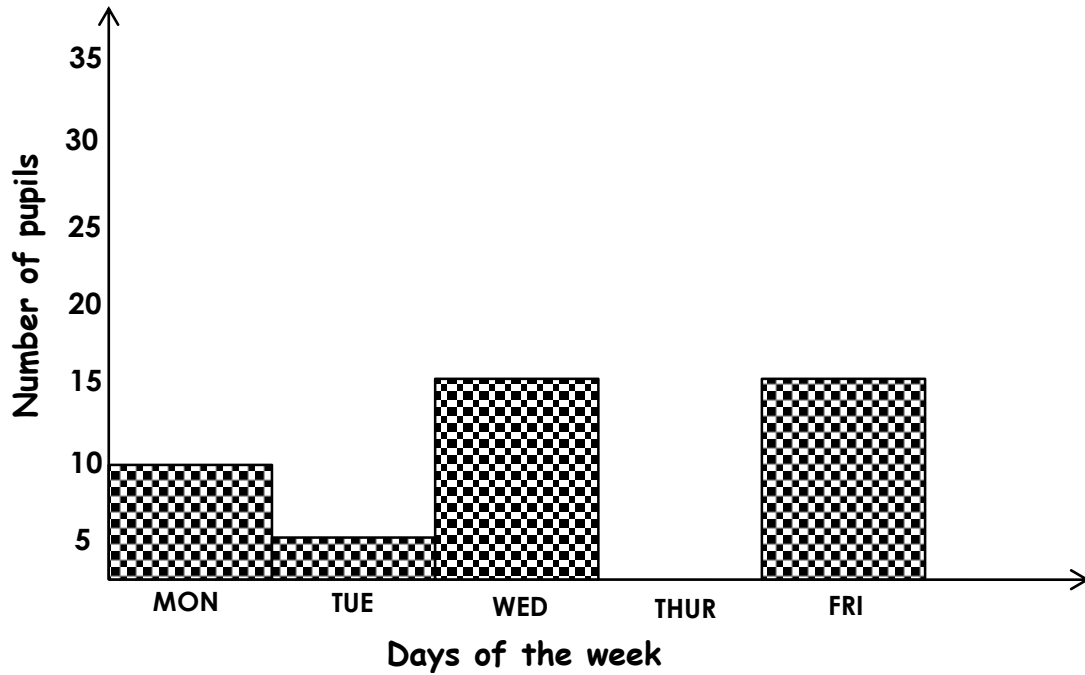
(3mks)

b) Calculate the amount of money he will pay back altogether after 2 years.

(2mks)



- 32 The graph below shows the number of pupils who were absent in a P.6 class in a certain week.



- a) How many pupils were present on Monday? (2mks)
- b) Which day were all the pupils present? (1mk)
- c) How many pupils were absent on Monday and Tuesday altogether? (2mks)

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