

MOTHERCARE PREPARATORY SCHOOLS

P.5 MATHEMATICS

NAME: _____ STREAM: _____

BRANCH: _____

SECTION A

1. Subtract: 4 7 3

$$\begin{array}{r} 473 \\ -133 \\ \hline \end{array}$$

2. Write the place value of 7 in 37,453.

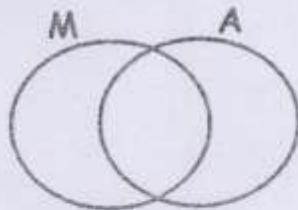
3. Add: 1 4 7

$$\begin{array}{r} 147 \\ +123 \\ \hline \end{array}$$

4. Find the next two numbers in the sequence below:

5, 15, 25, 35, _____, _____

5. Shade A—M in the figure below.



6. Write $\frac{19}{5}$ as a mixed number.

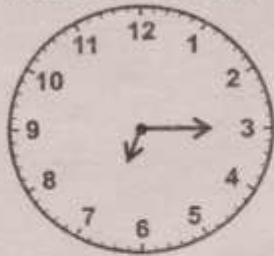
7. Change 79 to Roman Numerals.

8. Change 141_{five} to base ten.

9. Solve for r : $r + 7 = 13$

10. List down all factors of 12.

11. What is the time on the clock face below?


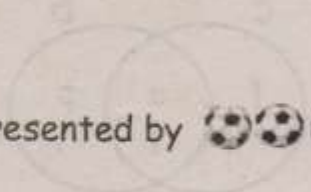






12. Add: 34.5

$$\begin{array}{r} 34.5 \\ +18.3 \\ \hline \end{array}$$

13. Amos bought a book at sh. 78,000 and sold it at sh. 57,000. Find his loss.

14. Convert 4m to cm.

15. If  represent 9 balls, how many balls are represented by     

16. Add: $\frac{1}{5} + \frac{1}{3}$

17. If set $B = (1, 3, 5)$, how many subsets can be got from set B?

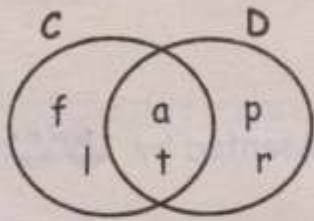
18. What is the value of 9 in 39,743?

19. Workout: $7 - 9 + 11 =$

20. Find the LCM of 4 and 6.

SECTION B

21. Study the Venn diagram below and answer the questions that follow:



(a) List down members of set C.

(b) Find $n(D-C)$

(c) Find $n(D)$

22.(a) Change 42 to base five.

(b) Subtract: 412_{five}

-103_{five}

23.(a) Workout the **GCF** of 12 and 18.

(b) List all factors of 24.

24.(a) Write $2\frac{3}{5}$ as an improper fractions.

(b) Workout: $\frac{2}{3} - \frac{1}{4}$

25.(a) Express 4 hours as minutes.

(b) Convert 35days to weeks.

26. Given the digits; 8, 5 and 6.

(a) List down all the possible three digit numbers that can be formed.

(b) Find the sum of the smallest and biggest number.

(c) Find the difference of the biggest and smallest number.

27. (a) Prime factorize 20 and give your answer in set notation form.

(b) Which number has been Prime factorized to get; $2^2 \times 3^2$.

28. Apeta tossed a die;

(a) What is the probability of having an odd number on top?

(b) What is the probability of having a three on top?

(c) What is the probability of having a number smaller than 4 on top?

29. Agaba had sh. 46,500 and Ellen had shs. 25300.

(a) How much money did they have altogether?

(b) A mat costs sh.7500. Find the cost of 5 mats.

30.(a) Draw a circle of radius 3cm.

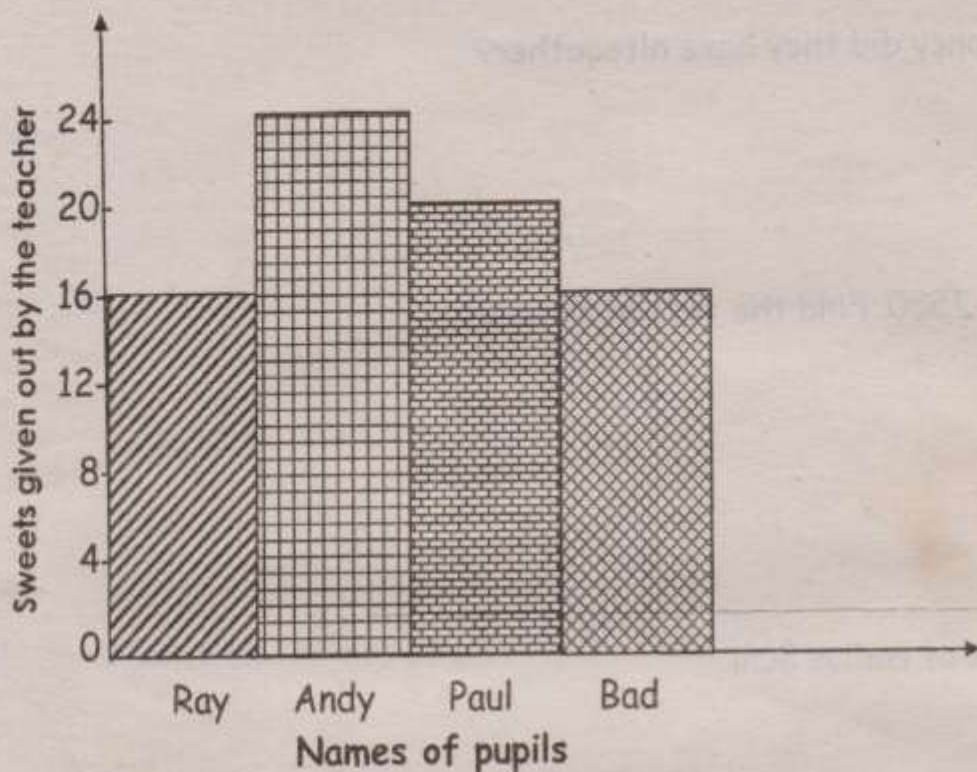
(b) Find the diameter of a circle whose radius is 4dm.

31.(a) Shade $\frac{4}{6}$ of the figure below.



(b) How many quarter litre cups make up 6 litres?

32. Use the graph below to answer questions that follow.



(a) Who got the highest number of sweets?

(d) How many sweets did all the pupils get altogether?

(b) Which two pupils got the same number of sweets?

(c) How many sweets did Ray and Paul get altogether?