

# TEKART LEARNING

## P. 6 MATHEMATICS WEEKEND HOMEWORK TERM III, WEEK TWO

NAME: \_\_\_\_\_

STREAM: \_\_\_\_\_

### SECTION A

1. A man's stride is 50cm long. How many strides does he make after walking a distance of 200,000cm?

2. Expand 48.39 using exponents.

3. Set A = {the first five prime numbers}

Set B = {All the first five counting numbers}. Find  $(A \cap B)$

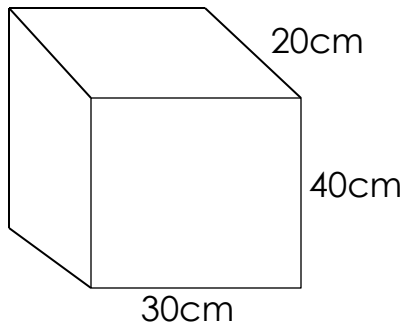
4. Express 35cm as a percentage of 1 metre.

5. Express 84 as a product of its prime factors.

6. Workout;  $b \times b^5$ .

7. The cost price of a pair of shoes is Shs. 25,000 and the selling price of the pair of shoes is Shs. 30,000. Calculate the percentage profit of the pair of shoes.

8. How many litres of water can the container below hold if it's filled to full capacity?

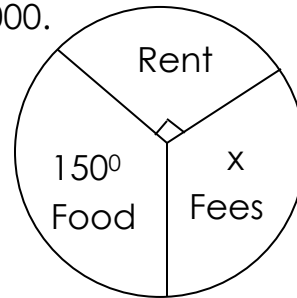


9. At Mr. Mukooyo's farm, his cows produce 4,200 litres of milk every week. How many litres of milk are produced daily?

10. A film show ended at 1645 hours. At what time on the 12-hour clock did the film show end?

## SECTION B

11. The pie-chart below shows how Candace spends Shs. 720,000.



(a) Find the angle sector for fees.

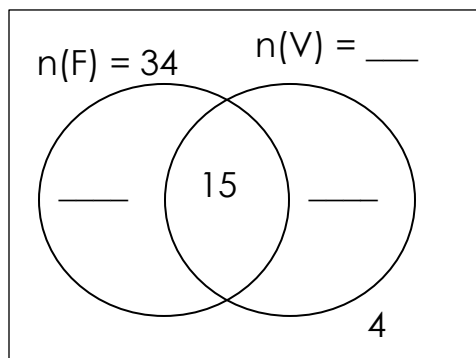
(b) How much does she spend on rent?

(c) How much does she spend on food?

(d) How much more does she spend on food than on fees?

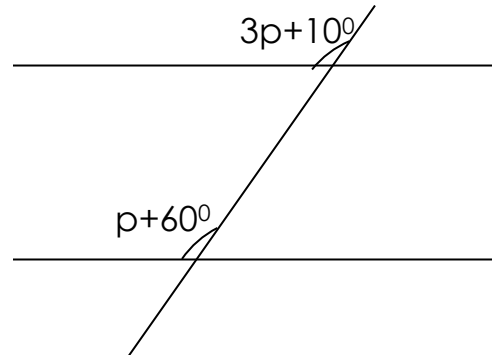
12. In a class of 70 pupils, 34 pupils play Football (F),  $y$  play Volleyball (V) only, 15 play both games and 4 do not play any of the two games.

(a) Use the information given above to complete the Venn diagram below.



(b) Find the value of  $y$ .

13(a) In the diagram below, find the value of  $p$ .



(b) In the figure below, find the size of angle  $x$ .

