TEKART LEARNING

P. 6 MATHEMATICS WEEKEND HOMEWORK TERM III, WEEK THREE

NAME: _____

STREAM: _____

SECTION A

1. A bus can carry 64 passengers. How many trips will it make to carry 2240 people**?**

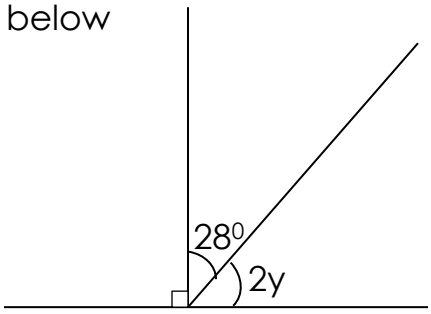
2. Prime factorise 36 and give your answer in exponent notation.

3. If x = -4, y = -3. Find the value of $\frac{xy}{2}$

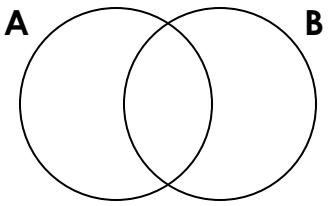
4. A bag weighs 2500g. It weighs 3500g with sand. How many kilograms is the sand**?**

5. Simplify; $^{-}6 - {}^{+}3$ using a number line.

6. Find the value of y in the figure below



7. In the diagram below, shade the region that represents the members of set B only.



8. Given that the prime factors of 24 are $\{2_1, 2_2, 2_3, t\}$. Find the value of t.

9. John and Jane shared a certain sum of money in the ratio of 2:3 respectively. If Jane got Shs. 15,000, how much did they share altogether**?**

10. Peninah bought a dress at Shs. 120,000 and later sold it at a loss of Shs. 10,000. How much money did she sell the dress**?**

SECTION B

11. In the numeral, 649;

(a) Write the number in words.

(b) Calculate the sum of the value of 6 and 9.

(c) Find the product of the place value of 6 and the value of 4.

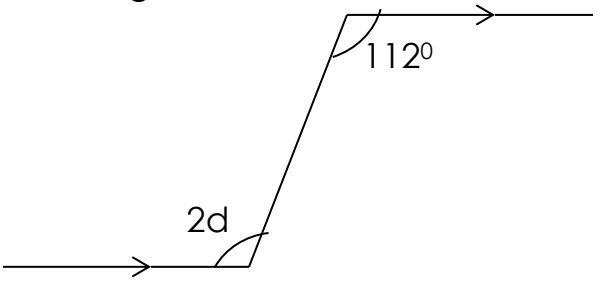
12(a) Change 11010_{two} to denary base.

(b) Add;

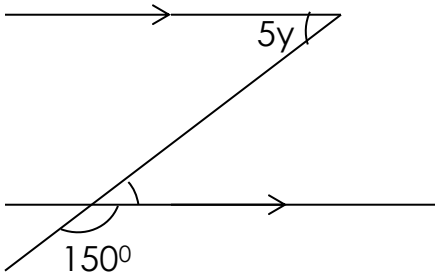
$$\begin{array}{r} 1\ 0\ 1_{\ two} \\ +\ 1\ 1\ 1_{\ two} \\ \hline \\ \hline \end{array}$$

(c) Workout; $110_{two} \times 11_{two}$

13(a) Find the value of d in the diagram below.



(b) Find the value of y in diagram below.



14. The table shows the marks scored by Kimz in a set of tests.

Mark	90	75	80	90
Frequency	2	4	2	2

(a) Workout the;

(i) modal mark

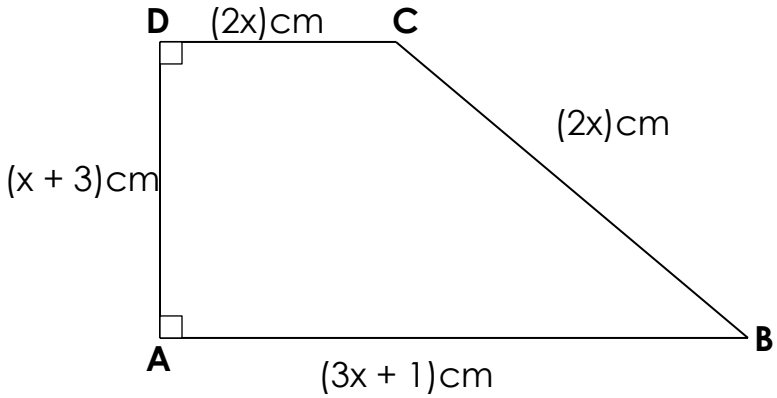
(ii) modal frequency

(iii) find the range

(iv) the mean score

15. Chemanzi started her journey from Kampala driving at a constant speed of 60km/hr for 2 hours to Jinja. She returned to Kampala in 3 hours. Calculate her average speed for the whole journey.

16. The perimeter of the trapezium below is 44cm.



(a) find the value of x.

(b) find the area of the trapezium.