

TEKART LEARNING

P. 6 MATHEMATICS WEEKEND HOMEWORK TERM III, WEEK ONE

NAME: _____

STREAM: _____

SECTION A

1. Which number has been standardized to give 6.25×10^4 ?

2. Change 213_{four} to base ten.

3. Given that set $A = \{1, 2, 3, 5\}$ and set $B = \{1, 3, a, y\}$. Find the number of subsets of $A \cap B$.

4. Simplify; $\frac{7}{12} - \frac{1}{3} \times \frac{1}{4}$.

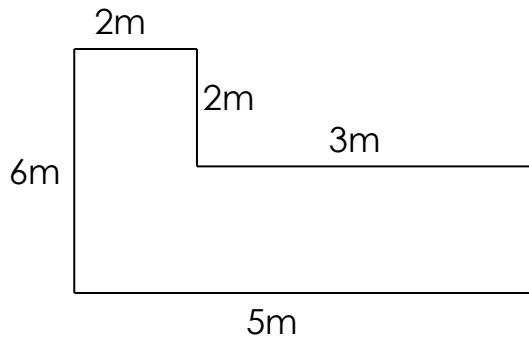
5. Find the next number in the sequence below.

1, 4, 16, 64, _____, _____.

6. Solve; $2y - 3(1 - y) = 7$

7. A trader bought a radio at Shs. 200,000 and sold it at Shs. 40,000. Calculate the trader's percentage loss.

8. Find the area of the figure below.



9. Mukwano factory packs 25 bars of soap in each box. If it makes 116 boxes per day, how many bars of soap does it make in a day?

10. Workout;

km	m
12	102
+ 8	850
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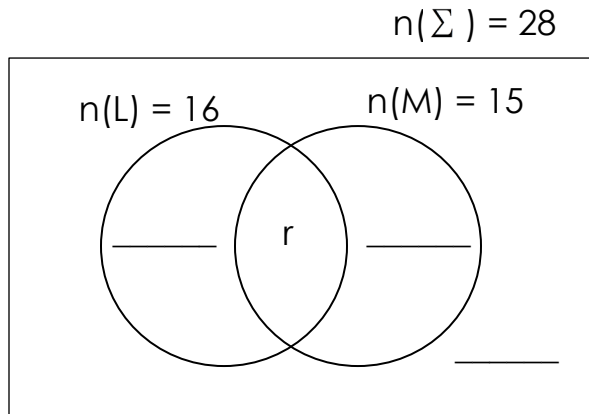
SECTION B

11(a) Express 0.666----- as a common fraction.

(b) $\frac{1}{4}$ of the pupils in a class are absent. If 60 pupils are present, find the total number of pupils in the class.

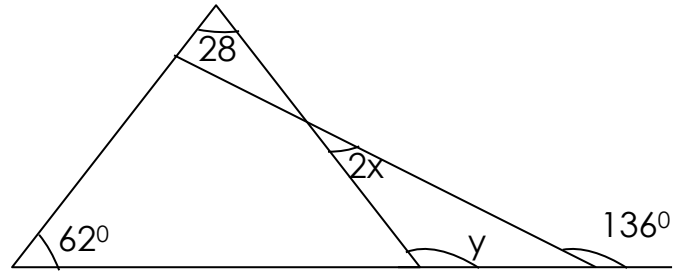
12. Maria had 28 dreams last month. If 16 of them involved lions (L), 15 involved monkeys (M) and 4 involved no animals.

(a) Use the information to fill the Venn diagram below.



(b) How many dreams involved both animals?

13. Study the diagram below carefully and use it to find the value of the unknowns.



(a) Find the value of y in degrees.

(b) Work out the value of x in degrees.