**Course: Business Mathematics**

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**Basic Geometry- Group Project**

1. Given:
   1. Length = 20m
   2. Width = 15
   3. RWF = 300/
   4. Fine = 1%
   5. Time = 5

Answer:

Total Area of the land plot =

Total Pending Tax for the land =

Our Verdict and suggestion:

* Peter will not buy that plot because the amount liable to each part in clearance of the taxes (that is RWF 227, 295.5) is greater than the amount he is willing to offer, that is RWF 200,000. However, considering that it has been his life dream to own land in Kigali, if he is really willing to buy the plot, he might buy the land because the surpass amount to what he was willing to offer in tax clearance is not much .

1. Given:
   1. Length = 15m
   2. Width = 10m
   3. Height = 5m
   4. Lump sum = RWF 1,000,000,000
   5. Profit = RWF 12,000,000
   6. Amount per cubic meter = RWF

Answer:

1. Let the three angles be x, y and z respectively.

Given that:

Answer:   
If the table has three surface sides, it will be in triangular shape. Therefore, all its angles will sum up to 180 degrees.

So;

1. Given:
   1. Radius = 14m
   2. Interval size = 2m
   3. Cost = $ 150/ 3 poles $ 50/pole

Answers:

a)

b)

1. Given:
   1. Distance = 144 km = 144,000m
   2. Interval size = 50m

Answers: