

Excel Assignment - 14

Dataset:

[https://docs.google.com/spreadsheets/d/1-Zo-](https://docs.google.com/spreadsheets/d/1-Zo-A4gnlLOQxpU8qgpkTJPJCS8cQBmNzKVirJOw0w/edit?usp=sharing)

[A4gnlLOQxpU8qgpkTJPJCS8cQBmNzKVirJOw0w/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1-Zo-A4gnlLOQxpU8qgpkTJPJCS8cQBmNzKVirJOw0w/edit?usp=sharing)

Use the above dataset and answer the following questions. Assume that a gang is trying to loot Diamonds and Soft drinks being exported from India

1. How much Diamonds were looted from Chennai Port Trust?

Ans: -

Here Diamonds are weights are calculated in ounces so the answer is also going to be in ounces.

Formula =**SUMIFS (D:D, C:C, "Chennai Port Trust")**

Here,

- D:D: Contains the quantity of Diamonds looted (in ounces)
- C:C: Contain the name of location where the attack happens
- "Chennai Port Trust": Location of attack for which we are going to calculate looted diamond

Total Diamonds looted from Chennai port Trust = **7182 Ounces**

2. How many Ships were looted near Paradip Port Trust and Chennai Port Trust?

Ans: -

Formula: - **=COUNTIFS (C:C, "Chennai Port Trust", B: B, "Ship/to/Ship")+COUNTIFS (C:C, "Paradip Port Trust", B:B,"Ship/to/Ship")**

In this formula:

- **C:C** represents the column containing the location of attacks.
- **"Paradip Port Trust"** is the criteria to match ships near Paradip Port Trust.
- **"Chennai Port Trust"** is the criteria to match ships near Chennai Port Trust.
- **B:B** represents the column containing the Type of attack.
- **" Ship/to/Ship "** is the criteria to match type of attack.

So, there are **total 6 ships** were looted near Paradip Port Trust and Chennai Port Trust.

3. What is the sum total of Diamonds looted from the V.O. Chidambarnar port trust?

Ans: -

Formula: - **=SUMIF (C:C,"V.O. Chidambaranar Port Trust", D:D)**

In this formula:

- **D:D** represents the column containing the diamonds looted data.
- **C:C** represents the column containing the location of attacks.
- **"V.O. Chidambaranar Port Trust"** is the criteria to match the port trust.

So, the Total of diamonds looted from V.O. Chidambarnar port trust is **9887 Ounces.**

4. What is the average amount of Diamonds and Soft drinks looted?

Ans: -

First, we have to convert Diamonds value in gallons.

Formula = **D1/160**

Store this data in G table.

Formula =**AVERAGE (G: G, E:E)**

In this formula:

- **G: G** represents the column containing the diamonds looted data in gallons.
- **E: E** represents the column containing the soft drinks looted data in gallons.

The average amount of Diamonds and Soft drinks looted in **gallons = 1117.8**

5. What is the ratio of soft drinks drunk to soft drinks looted?

Ans: -

To calculate the ratio of soft drinks drunk to soft drinks looted based on the given data, We can use a simple division formula.

Formula =**SUM (F: F) / SUM (E: E)**

In this formula:

- **F: F** represents the column containing the soft drinks consumed data.
- **E: E** represents the column containing the soft drinks looted data.

The ratio of soft drinks drunk to soft drinks looted is **0.3920 / 39.20 %**