

SPREADSHEET ASSIGNMENT - RAINFALL

You are going to find out the average monthly rainfall in 3 major European cities over the period January to December. After collecting this information you are going to place it into a spreadsheet and then use some of the functions shown to you recently.

Log onto the internet.

Open up the spreadsheet program – Excel.

In Excel

- In column A starting at cell A2 list the months January down to December, which should take you to cell A13
- In row 1 place these city names:
 - B1: Rome
 - C1: Paris
 - D1: Madrid

- Rows 15, 16 and 17 are going to be used to record the lowest, highest and average rainfalls for each city:
 - A15: Min
 - A16: Max
 - A17: Average
- Columns H, I and J are to be used for recording the lowest, highest and average rainfall for each month:
 - H1: Lowest
 - I1: Highest
 - J1: Average

- In A25 type in your full name
- In A26 type in your tutor group

Take information from www.bbc.co.uk/weather

- type **Rome** in the white stripe and click on **Go**
- from the list of options choose **Average conditions for Rome**
- page displayed shows the temperatures and rainfall (**precipitation**)
- use the figures for your spreadsheet

Fill in your spreadsheet now with the rainfall figures for each of the 3 cities for each of the 12 months.

You now have the raw data needed to continue our analysis but before you do anything else save the sheet as **Rainfall**

1. Cell H2 is to contain the maximum recorded rainfall between these cities. Type in the function to do this
2. Copy this function down column H so that you have the highest rainfall for each month.
3. Cell I2 is to contain the lowest recorded rainfall for the cities. Type in the function that will do this.
4. Copy the function down column I.
5. Cell J2 will contain the average rainfall. Type in the function that will work this out.
6. Copy this down column J.
7. Rows 15, 16 and 17 are to be used in exactly the same way but this time finding the lowest, highest and average for each city. Type in functions in cells B15, B16, B17 and copy them across columns C and D.
8. Row 19 is going to be used to determine whether the city is dry or wet. In cell A19 type in the heading: Dry/ Wet

9. The test will be whether the average rainfall figure is > 44 mm. If it is the display the word **Wet** otherwise display the word **Dry**.
Type into B19 the function that will test the figure in B17 against a figure of 44, and then display the appropriate word (Wet or Dry).
10. Create a column graph which displays the rainfall figures over the year for the 3 cities. Hint: using cells A1:D13

Make sure your personal details are in cells A25, A26 and save the sheet.