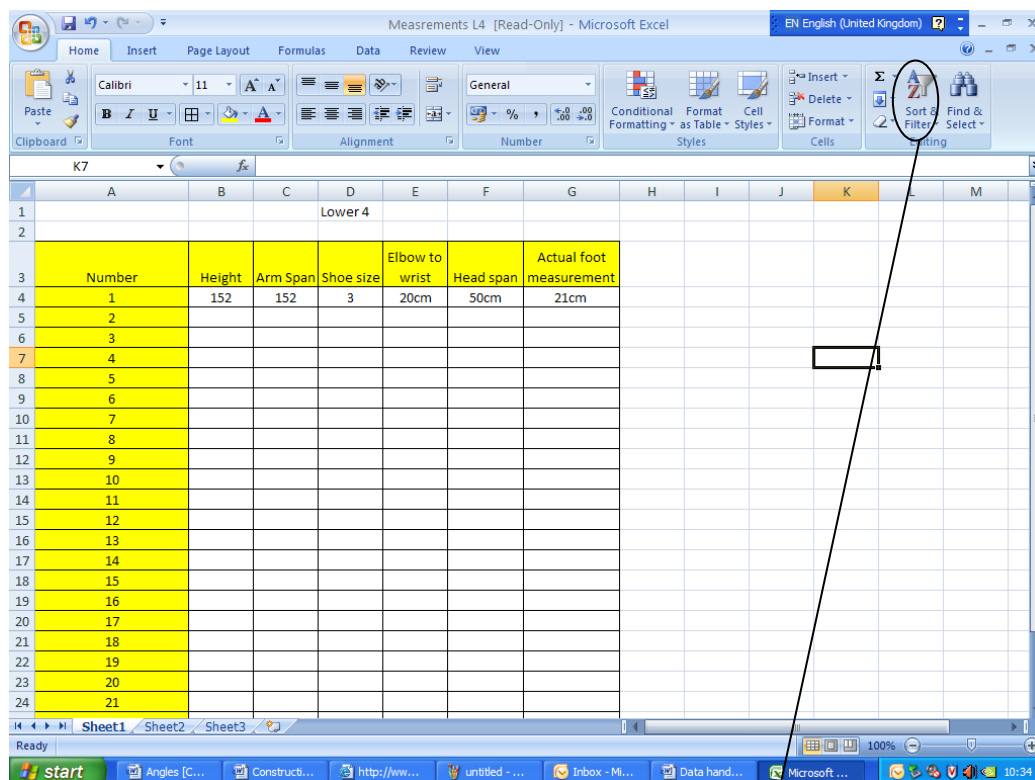


Sequences and Excel

We are going to be using Excel to generate sequences and to find the rule for the n^{th} term.

Instructions

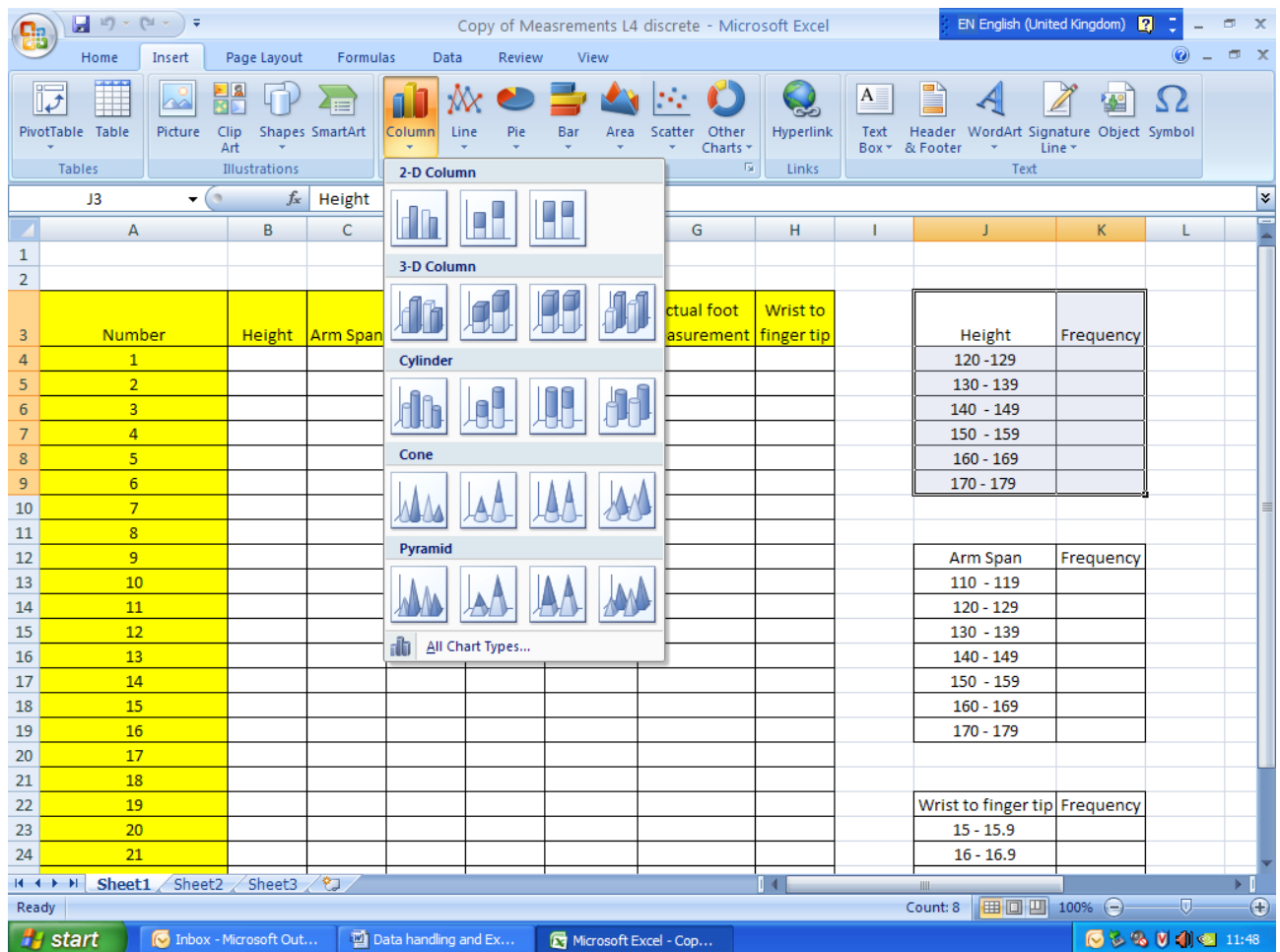
- 1) Once you are logged on, go to **start**, click on **All Programs, Microsoft Office, Office 2007, Microsoft Excel**
- 2) Go to Office Button, Open, Shared documents (down the side), Departments, Maths, Lower 4 and choose your data set
- 3) A page like this should open, containing lots of data



The screenshot shows the Microsoft Excel 2007 interface. The ribbon is set to 'Home'. The 'Sort & Filter' button in the 'Cells' group is circled. A line points from this button to step 4 of the instructions. The spreadsheet contains a table of measurements for 'Lower 4' students. The table has columns for Number, Height, Arm Span, Shoe size, Elbow to wrist, Head span, and Actual foot measurement. The data is sorted by 'Number' in ascending order.

Number	Height	Arm Span	Shoe size	Elbow to wrist	Head span	Actual foot measurement
1	152	152	3	20cm	50cm	21cm
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

- 4) Highlight the data set you wish to analyse. Click on the “Sort and Filter” button, choose ‘Sort Smallest to Largest’
- 5) Choose the table that applies to you, count the number in each group and complete the frequency tables.
- 6) Highlight the table, click on the “Insert” tab and choose bar chart for all the length measurements and pie chart for the shoe size.



Questions

Comparing two sets of data

- 1) Highlight two sets of data, for example height and arm span
- 2) Select "Insert" tab and select "Scatter"