

# Computer Graphs 2007

## Task A Pie Charts

The pupils in a school were polled on their favourite subjects.

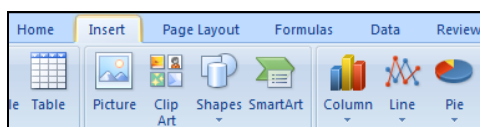
- Copy the data opposite into a blank Excel spreadsheet. The columns A and B should be used as shown.

	A	B
1	Subject	Number
2	English	346
3	Maths	723
4	Science	232
5	PE	514
6	DT	611
7	Languages	89
8	Humanities	102
9	Other	239

- Select all the cells containing data (the range A1:B9), as shown in the picture below-right.

*Do this by placing your mouse pointer over cell A1; left-click and hold down the mouse button; drag the mouse pointer down to cell B9; release the mouse button.*

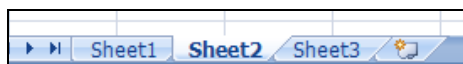
- Click on the 'Insert' button at the top to open the Insert tab.



- Click on the 'Pie' button and select the top-left option (2-D Pie).

**Well done! You have created a pie chart.** Save your spreadsheet as 'Task A'.

- Select a new, blank worksheet by clicking on the 'Sheet 2' tab at the base of the screen.



- Create a pie chart with 4 equal sized segments. You can do this by entering the same number into 4 cells and using the data to form your chart.

- Still in Sheet 2, make a pie chart with 10 equally sized segments. Position this pie chart alongside the one from the last question.

- Click on the 'Sheet 3' tab and create a pie chart displaying the following data about hair colour in a class:

**Light brown: 6      Red: 2      Dark brown: 11      Black: 3      Blonde: 7**

Save and close your spreadsheet.

## Task B Other Types of Chart

- Some students conducted a poll, awarding scores out of 10 for a selection of different TV programmes. The marks awarded are shown in the table below. Copy the data into a new Excel spreadsheet.

- Select all the data and insert a simple (2-D clustered) Column chart.

	A	B	C	D	E
1	Name	Neighbours	Star Trek	Friends	Football
2	Pete	5	9	4	10
3	Jane	9	3	9	1
4	John	4	7	4	9
5	Sally	8	2	6	2
6	Andy	1	9	3	10
7	Katie	10	6	8	3

- Select cells A1:A7. Hold down the 'Ctrl' key and select cells C1:C7. Create a 3D column chart displaying the data.

- Save your spreadsheet as 'Task 2'.