1. The exchange rate between pounds and euros is currently £1 = 1.23 euros. Use a spreadsheet to construct an exchange rate table for all integer values from 1 to 20. Copy your table into Word.

2. Petrol is currently 128.9 pence per litre. Use a spreadsheet to construct a table to show the cost of filling up an empty tank (to the nearest £). Vary the fuel tank sizes from 35 litres to 60 litres. (Your multiplier should still be 128.9. Round *after* the calculations). Copy into Word again.

3. The table shows the weight in kilograms of a baby over the first five months after birth. Use a spreadsheet to test if the relationship between age and weight is directly proportional. Copy your values into Autograph and plot the coordinates to see how close to a straight line the relationship is. Now copy your graph into Word.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Age (weeks) | 3 | 4.5 | 6 | 11 | 16 | 19 |
| Weight (kg) | 3.76 | 4.38 | 5.30 | 6.26 | 7.00 | 7.30 |

4. A man cycles 1 mile in four minutes. Use this fact to construct a spreadsheet which shows how far he cycles in 4, 8, 12, 16, … , 60 minutes. Copy into Word again. Is this a realistic model for his cycling? Explain your answer.

5. Clearly label each question in your Word document, and make sure your name is at the top. Print off your work.

**Finished so soon?**

Use the Internet to find other currency conversion rates. Use a spreadsheet to construct currency conversion tables for your findings.

*Figures last updated: June 2014*