**Task One**

* Type **Position** in cell A1, **Term** in cell B1 and **1** in cell A2. Select cell A3. Type in **=A2+1**. Press enter.
* Select cell A4. Type in **=A3+1**. Press enter.
* Repeating this is tedious. Instead, select cell A4 and hover over the bottom right-hand corner of the cell until you get a black cross. Now click and drag down to highlight all cells up to and including cell A21. The pattern will continue and finish the list of numbers.
* Select B2. Type in **=A2\*3** (There is no × key on a computer). Press enter.
* Use ‘select / hover / black cross / drag’ to complete the sequence.
* What is the name of the list of numbers you have created? Type your answer into cell B22.
* Type your name somewhere obvious and print a copy of your spreadsheet.

#### Task Two

* Open a new spreadsheet.
* Using the instructions from task 1 to help you, produce a list of the first 20 multiples of 8.

# Task Three

* Open a new spreadsheet. You are now going to produce a list of the first 20 triangle numbers.
* As before, label the columns and use the formula function to create the numbers from 1 to 20 in the first column.
* In B2 type **1**. This is the first triangle number.
* In B3 type **=B2+A3**. Use ‘select / hover / black cross / drag’ to complete the list of triangle numbers.

#### Task Four

Use what you have learnt so far to produce a list of the first 20 square numbers.

#### Task Five

For each of these sequences, find a way of recreating them using the formula function on a spreadsheet. You will have to type in the first number, but use formulas for the rest of each sequence.

* 3, 7, 11, 15, 19, 23, …
* 0.5, 2.5, 5.5, 8.5, 11.5, …
* 1, 2, 4, 8, 16, 32, 64, …
* 1, 3, 9, 27, 81, 243, …
* 4096, 2048, 1024, 512, …
* 2, 5, 10, 17, 26, 37, …