Plenary – answers

**Task 1 - Bar graph knowledge**

Fill in the missing words:

A bar chart or bar **graph** is a chart or graph that presents categorical **data** with **rectangular** bars with **heights** or lengths proportional to the **values** that they represent. The bars can be plotted vertically or **horizontally**.

Bar graphs are good for:

Showing **discrete** (non-continuous) data such as data sorted into bands

Being able to compare the **relative** size of each data item.

**Word bank: data, heights, horizontally, relative, graph, rectangular, values, discrete**

**Task 2 - For x in range exercises**

What is the outcome of this code?

|  |  |  |
| --- | --- | --- |
| A | B | C |
| for x in range (2,6):  print x | for x in range (1,22,10):  print x | for x in range (100,50,-20):  print x |
| 2  3  4  5 | 1  11  21 | 100  80  60 |

**Task 3 - Comparing while and for**

Can you explain when it would be best to use a for loop instead of a while loop?:

You should use a for loop when you know how many times the loop should run. If you want the loop to break based on a condition other than the number of times it runs, you should use a while loop.