

What Python sees

A picture is a grid of numbers. Each pixel is R G B (red, green, blue).

Name: _____

Date: _____

Part 1 A tiny 4×4 patch of the cow

 113 73 63	 123 80 71	 136 92 81	 141 95 80
 125 83 71	 139 95 84	 150 104 91	 147 99 85
 132 88 77	 140 93 83	 145 97 85	 142 93 78
 125 81 68	 130 82 70	 138 89 75	 144 92 78

Part 2 Questions

1 How many numbers are in this patch, in total?

2 Which pixel has the biggest *red* number? (row, column)

3 Add up all 16 red numbers. Use the box for your working.

Working

4 Are neighbouring pixels similar, or very different? Say how you can tell.

5 Predict! The whole picture is 320×320 pixels. How many numbers does Python store?