

**2.2.2** - Look at Dr Snow’s map and, on a copy, carry out two important stages of computational thinking:

**Collecting data**

1. How many drinking water pumps are there in the Soho area?
2. Where are the pumps located? Mark them on your copy of the map.
3. Count the number of deaths in each street (each bar on the map represents a person who died of cholera). Record the number of deaths on the map.

**Pattern identification and hypothesis testing**

1. Colour code the streets where:

* more than 20 people died, in red
* between 16 and 19 people died, in orange
* between 10 and 15 people died, in yellow
* between 3 and 9 people died, in blue
* fewer than 3 people died, in green.

1. Once data has been processed it becomes information. So now look at the data you have processed and draw your conclusions. What do you think caused the Soho cholera outbreak and what would you do to prevent yet more people catching cholera?