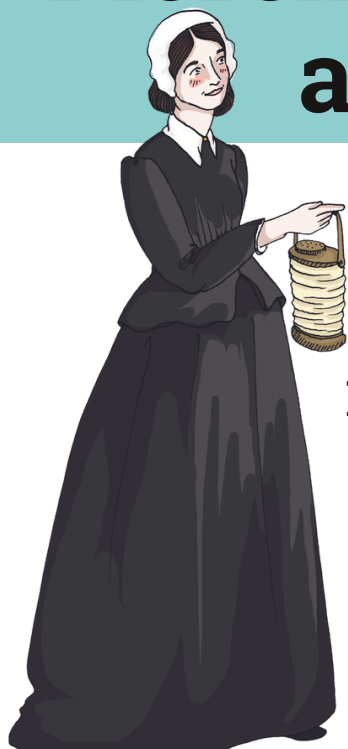


# Florence Nightingale and Maths



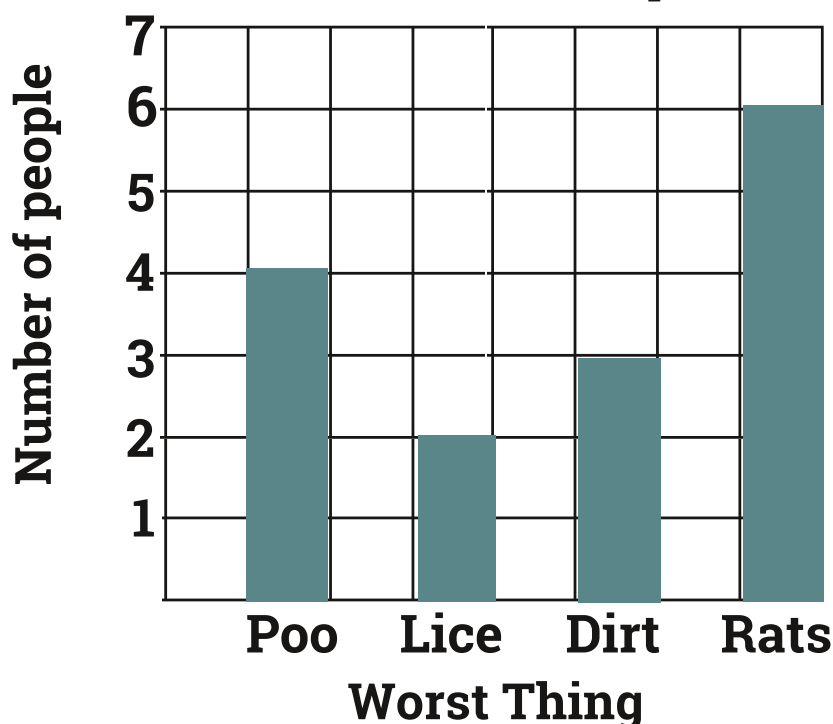
Florence Nightingale loved maths. She was very good at a type of maths called Statistics.

In statistics information is gathered and sorted so you can work out what it means. For example:

Today I want to know what people think was the worst thing on the floors at Scutari Hospital. I started by asking 15 people and they said:

Person 1: Rats	Person 6: Lice	Person 11: Dirt
Person 2: Poo	Person 7: Rats	Person 12: Dirt
Person 3: Poo	Person 8: Rats	Person 13: Rats
Person 4: Rats	Person 9: Poo	Person 14: Poo
Person 5: Dirt	Person 10: Lice	Person 15: Rats

With my data gathered I now need to sort it. I colour one square above each answer for each person that said it, 2 people said 'Lice' so I colour 2 squares above 'Lice'.



Which thing did people think was the worst?

-----  
(the more squares coloured- the more people chose it!)



# Statistics

Have a go yourself!



This time lets look at Florence Nightingale's pets

First find your information:

On this page there are lots of animal prints from owls, tortoises and cats- start by counting them:



Cat



Owl

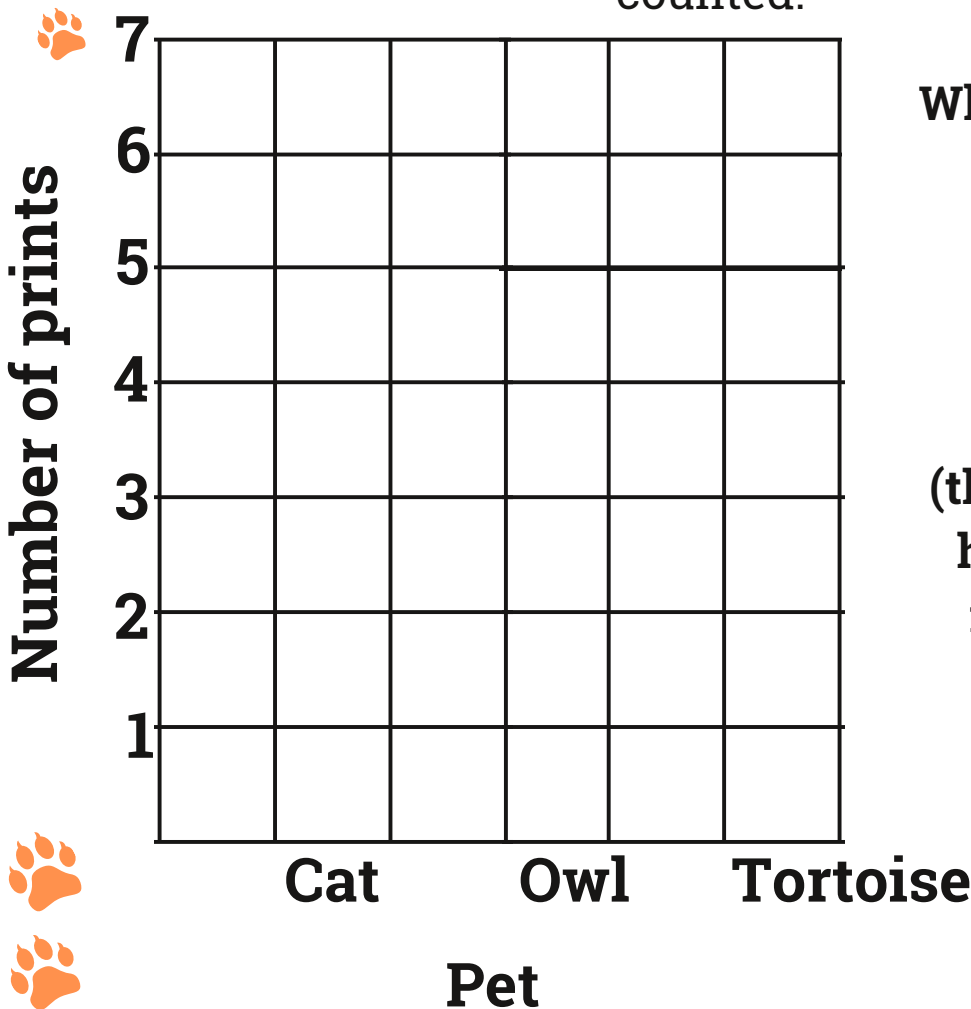


Tortoise



With your data gathered you now need to sort it.

Colour one square above each animal for each of its prints you have counted.



Which pet had left the most prints?

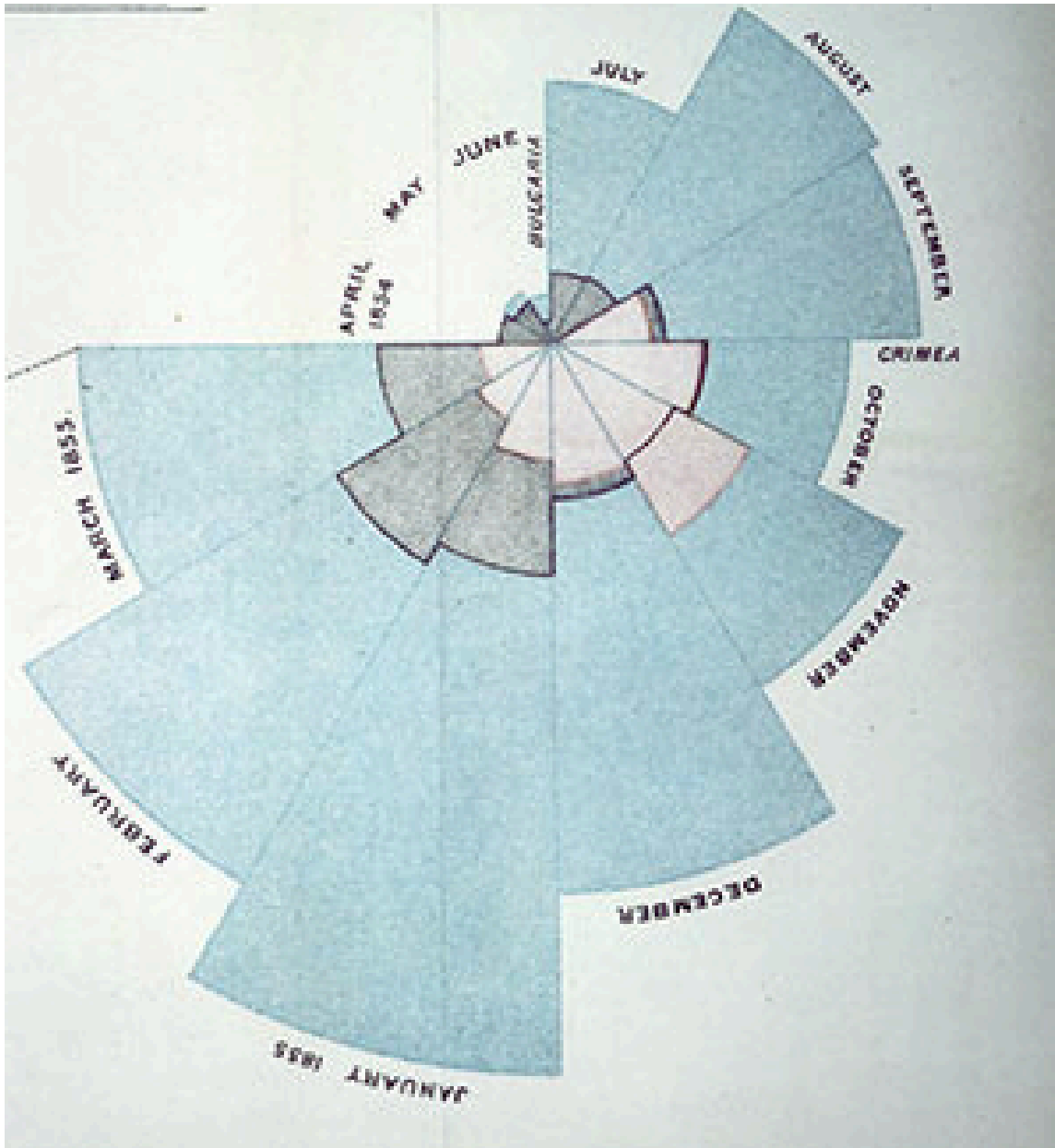
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(the more square you have coloured- the more prints there were!)



# Statistics

This is Florence Nightingale's most famous graph. It was to show the different ways soldiers had died at Scutari Hospital.



Can you understand what the graph is showing:  
Which colour is there the most of: blue, pink or grey?

Most of the soldiers were dying of diseases at the hospital- so which colour means disease?

# Statistics

**Florence Nightingale's work was so important she was invited to join a special group called 'The Royal Statistical Society'. She was the first woman to be allowed to join.**

**Can you design a special badge for The Royal Statistical Society to wear- celebrating maths?**

