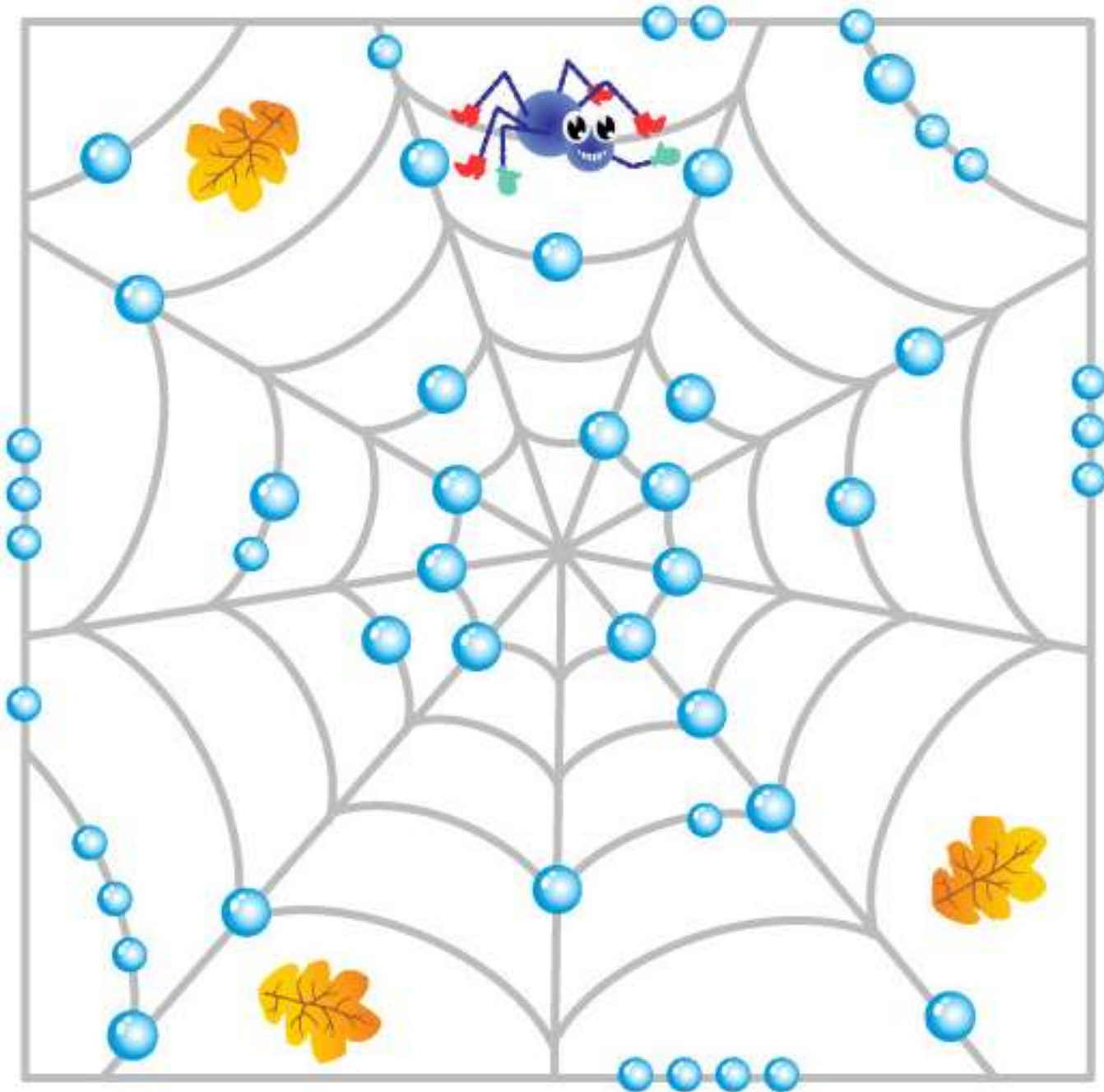


# Navigating the Web

Can you navigate your way round this web avoiding the sticky spots to get to the centre?

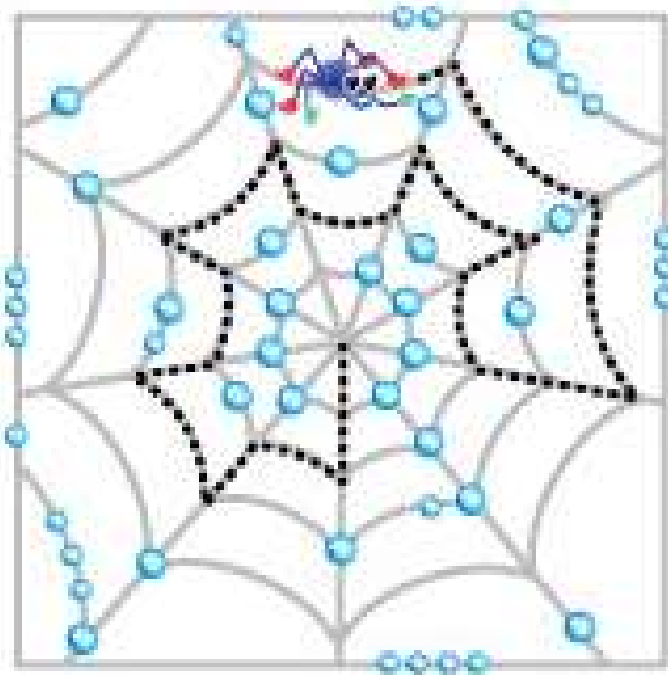


We tend to use the terms “internet” and “world wide web” to mean the same thing, but they’re not quite the same.  
The internet is a huge network of computers all connected together.  
The world wide web (‘www’ or ‘web’ for short) is a collection of webpages found on this network of computers.



# Navigating the Web

This is how it can be done!



Kao Data's data centre in Harlow, Essex

**Cambridge Science Centre** have teamed up with **Kao Data** – one of the UK's largest data centres. Data centres look after lots and lots of computers which together provide the computing power behind many of the everyday things we use today. Every time you stream music, or a film, watch YouTube, play an online game, like a Facebook post, send an email, reply to a text – you are using a data centre!

Data centres can also be used to solve complex scientific problems like sequencing human genomes and helping analyse the data behind our new Covid-19 vaccines!

## But what is data?

Data is a collection of information, gathered by observation, questioning or measurement. It may consist of facts, numbers or measurements.

## How much data?

- Globally, the computing data we create every day is equivalent to 250,000,000 DVDs – that's a lot of movies!
- Around 100 hours of video are uploaded to YouTube every minute and it would take you around 15 years to watch every video uploaded by users in just one day!