

## Year 4 Statistics Work

Year 4 have been working on statistics (data handling), interpreting pictograms, bar graphs and line graphs. The children have been introduced to the concept of discrete and continuous data and recognise which types of data can't be represented by a line graph. Some children have even been working on time/distance graphs, making narratives to match the data in their graphs. Children in school did a bird survey as part of The Great British Bird Watch and recorded their data in tables and presented in colourful bar graphs.

Children have spent two weeks on division, embedding pictorial concepts to reinforce the links between factor pair and multiples by drawing rectangles. After plotting various combinations in rectangle heights and widths for a particular multiple, the pupils drew rectangles to represent division problems, applying repeated addition to get to their quotient. This allowed them to see the inefficiencies and so we introduced the idea of chunking so the rectangles were smaller on-the-page! The idea was then inverted, so the children started to practice repeated subtraction, starting with the quotient and reducing it to near zero to give a dividend. Many children can now represent this as a formally written method, securing the method, making efficient 'chunks', whilst setting out beautifully in their books. The final two days, the children will have used and applied their secured method to division fluency challenged, worded problems and reasoning challenges.