

Penair Maths Club

At Penair secondary school, Olivia, Xander, Theo, Eleanor and Freya in Y5 were chosen to do the Penair Maths club (and some Y6's) .The children who took part in it did activities and problems every Thursday, with Mrs Duffy (a Penair maths teacher). This club included three other schools and was an opportunity to experience working with other children that we do not know.

The first activity was problem solving with money about children going on a school trip to a chocolate factory. The children could take and spend as much money as they wanted. The purpose of the activity was to figure out how much money they had, spent and had left over when they went back to their school.

The Vedic square was the next activity, which was about drawing a grid with 1-100 numbers in it. The pupils coloured in the times tables on every twelve grids and a different pattern appeared every time they joined the numbers together that they had coloured. Every times table each had their own grid (12). Some of the patterns came out very unusual!

On the third Thursday, the children did binary code numbers. They found out that computers only know two things; the numbers 1 and 0! They drew a grid with the square numbers at the top, on a piece of paper. Then they had to make a denary number using 1 and 0. For example: $4=100$ $12=1100$.

Then the pupils did a challenging puzzle, the Knight's move, on a 100 grid on the last Thursday. The knight moves in an L shapes up, down and across. The L shape can move in 1 across and 2 down in any way. The task set on the 100 grid, was that they had to get from 1-100 in the fewest moves possible. Then the children had to do the same thing, but include going to all of the squared numbers. They did something similar on a 5 by 5 grid. They had to fill the grid up with no spaces left, using the knight's moves.

That was the last of our lessons and the end of our amazing Penair maths experience!

Written by Xander and Olivia, Theo and Freya Y5