Class 3 were playing a game. There were ten cards with the digits 0 to 9 on them.

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
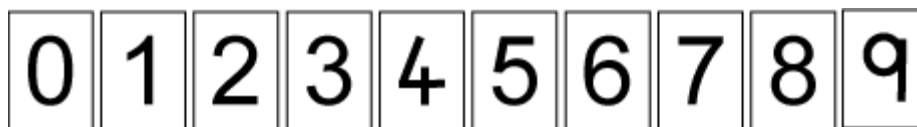
These cards were put into a bag and players took out four cards and made a number out of them. At first they made the highest number they could. Sinita took out
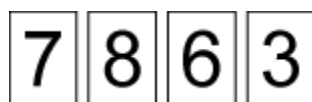
| 3 | 8 | 2 | 5 | and made | 8 | 5 | 3 | 2 |
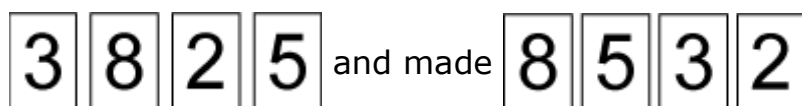
Then they made the lowest number they could. Jamie took out
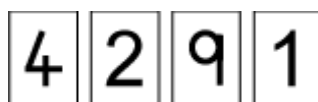
| 5 | 0 | 4 | 7 | and made | 0 | 4 | 5 | 7 |
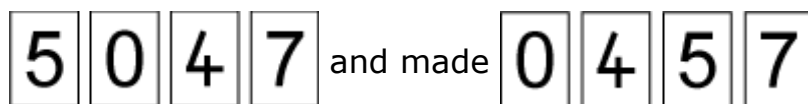
"You can't put zero at the beginning of a number," objected Paul. The class discussed this and decided that Jamie had made four hundred and fifty-seven.

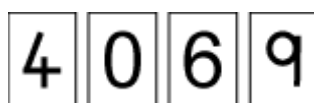Next they played to make the highest even number. Jill took out

| 7 | 8 | 6 | 3 |

and Vincent took out

| 4 | 2 | 9 | 1 |

Who won? Why?

Then they played to make the highest odd number. Belinda took out

| 4 | 0 | 6 | 9 |

and Ali took out

5 2 1 7

Who won? Why?

Next they played to make the lowest even number. Rohan took out

8 1 5 4

and Ben took out

7 0 3 9

Who won? Why?

The last game they played was to make the closest number to 5000. Alice took out

7 8 4 9

and Chloe took out

1 0 3 5

Who won? Why?

Play some of the different versions of this game with a friend. Which digits are the most helpful? Why?

Once you've played this game a few times, have a go at playing Nice or Nasty. This game is very similar except you draw and place the digits one at a time, so you'll need to think carefully about where to put each one!