**Name of game: What’s my number? Game 1**

**Learning aim of game:** Thinking about properties of number, mathematical vocabulary

**How many players**: whole class, small group, pairs

**You will need**: 100 square whiteboards, pens and rubbers, a pencil and a small piece of paper

**How to play**: One person is chosen to choose a secret number between and including 1-100. They write it on a piece of paper and put it in their pocket. They then draw 10 small lines on the board to mark how many questions everybody has to work out the secret number. The person who has picked the secret number can only answer the questions by saying yes or no.

People take it in turns to ask a question about the number. Because there are a 100 numbers that it could be and only 10 questions in total questions need to be asked to help narrow down the possibilities.

To start with let children ask any questions. What soon becomes apparent is that a question like- Is it 34? -is not very helpful because it only eliminates one number.

Children soon learn to ask questions like:

Is it more than 50?

Is it an odd number?

Is the tens digit even?

Is it a multiple of….?

As each question is asked everybody crosses out the numbers that it is not so that the possible options are continually narrowed.

The last question/mark has to be about asking which number it is- Is it 56?

Adaptations: