

Objective: Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction as appropriate

Year 3 Task: 'Find the Number'

Aim of the game: To find the number which matches all of the clues

Equipment: pencil and paper for jottings, number base board and clues (see below)

This is a paired game.

63	55
41	87
103	76
90	33

Clues:

1. I am less than 10 lots of 10.
2. The sum of my digits is more than 5.
3. I am not a multiple of 10.
4. I am an odd number.
5. I am not a multiple of 5.
6. The sum of my digits is less than 10.
7. I am in the three times table.
8. Double me and the answer is less than 100.

How to play:

1. Start by reading out clue 1
2. Look at the numbers on the baseboard to see if you can cross any out
3. Then read out clue 2
4. Look at the numbers on the baseboard to see if you can cross any out
5. Repeat for each of the clues until you should have just one number left

Can you explain how you worked it out?

Could you prove it to somebody else?

Which clues were the key ones? Why?

Task: Can you use the blank table below to create one of your own 'Find the Number' games? You could use a smaller grid of numbers of fewer clues.

Clues:

Answer: 33