Name of game: **1 to 20 cross them out !**

**Learning aim of game**: To think of different mathematical vocabulary to ask questions, to think about the different properties of number, to use the 4 operations.

**You will need**: a grid (you decide what is appropriate for the ability/age of your class –it could be a 2x2 or a 4x4 grid. Below is a 3x4), A4 paper and a pen and something like a big book so that each player cannot see the other person’s sheet.

**Number of players**: 2

|  |  |  |  |
| --- | --- | --- | --- |
| 19 | 6 | 4 | 8 |
| 11 | 1 | 12 | 10 |
| 33 | 7 | 15 | 20 |

**How to play:**

1. Each player chooses some of the numbers from 1 to 20 (1-10 on a smaller grid) and fills them onto their grid. Numbers can go anywhere with one number in each box and each number used only once. Each player must keep it a secret where they have placed their numbers. Don’t let anyone see.
2. Player 1 asks player 2 a question( which has an answer that is between the range of numbers on the sheet)

For example: “What is double 6?” Player 2 says the answer, “12”.

Player 1 says, “Do you have 12?”

Player 2 replies, “Yes” or “No”. If the answer is yes then player 2 crosses 12 out.

1. It is now player 2’s go to ask a question.

For example “What is the difference between23 and 7?”

Player 1 replies, “16”

Player 2 says, “Do you have it?”

Player 1 replies, “Yes” or “No”. If it is yes they cross that number out.

1. The first person to get their partner to cross out a whole line horizontally, vertically or diagonally wins!

Tip: It is helpful for the children to record the numbers they have asked about so that they do not think of a question that has a repeated number as an answer.

Possible example of playing