**Name of game: 1 to 12 cross them out!**

**Learning aim of game**: to practise using all four operations with numbers totalling up to 12, thinking of a strategy for which numbers to eliminate first and knowing why.

**You will need**: a piece of A4 paper or a whiteboard to create a 3x4 grid, pens and two dice marked 1-6, a partner.

**Number of players**: 2

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| 3 | 9 | 12 | 7 |
| 6 | 11 | 1 | 5 |
| 10 | 2 | 8 | 4 |

**How to play**:

1. Children need to be taught how to create the grid first.
2. Mark one number in each box so that each number is used once and all the numbers are used from 1 to 12 (see example above) It does not matter in which box any one number is placed.
3. Player 1 rolls the dice and decides which operation to use to cross out their first number. If the dice shows 6 and 2. then there are a number of possibilities. 6+2=8 cross out 8 or 6-2=4 cross out 4 or 6x2=12 cross out 12 or 6÷2=3 cross out 3. You can only choose one number when it is your turn.
4. Then it is player 2’s go to roll. If it is a 2 and 3 then there are less options 2x3=6 or 2+3=5 or3-2=1. Player 2 only chooses to cross out one of the numbers.
5. Each person has a turn and keeps crossing out a number each time. If it is not possible to cross out any numbers on your turn because they are already crossed out then you miss a go.
6. The first person to cross out all their numbers wins!