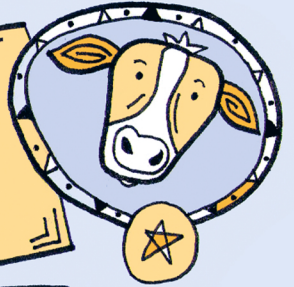# Bulls and cows

A pen-and-paper game for two players

1

Both players secretly write down a three-digit number. All the digits must be different.
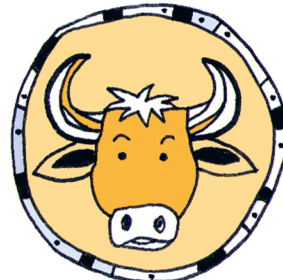
287

2

Take turns to guess each other's number, writing your guesses on another piece of paper. Then write next to each other's guesses how many 'bulls' and 'cows' there are.

BULL
a correct digit in the correct place

COW
a correct digit in the wrong place

Example:

Guess 1:	012	C
Guess 2:	345	
Guess 3:	678	CC
Guess 4:	304	
Guess 5:	134	
Guess 6:	234	B
Guess 7:	267	BB
Guess 8:	268	BC
Guess 9:	287	BBB

Two of these digits are correct, but in the wrong place.

3

The first to get three bulls, finding the secret number, is the winner.
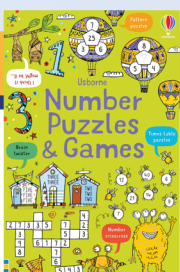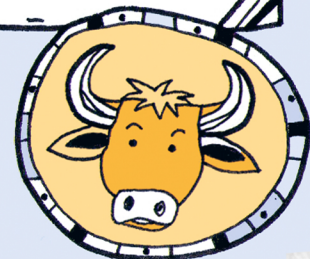
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