

Multiply Who?

Inventor: Samantha Bosma

Rules:

Players must pick one number on their board for the opponent to guess.

Players will ask each other yes or no questions, related to multiplying or dividing, to discover their opponent's number.

Players are not allowed to guess the numbers directly on their table. For example: if you want to guess the number 88 as your opponent's number you must ask something along the lines of; is it 8×11 ?

You cannot ask questions such as 'is it bigger than ___?' 'does it have a digit that's 3?' 'is it on the left side of the board?'

Instead, the questions must be related to multiplication or division such as the example questions below.

Possible questions to ask:

- Is your number divisible by ___?
- Can I count to your number by ___s?
- Is your number made by multiplying an odd number by an even number?
- Is your number divisible by an odd number?
- Is your number prime?
- Is your number a multiple of ___?
- Are the factors of your number _____?

Variations/teacher notes:

Choosing smaller more flexible numbers for students who need more practice with the basics.

Allowing struggling students to use a calculator at first until they build up to a point in which they can do it without the use of a calculator.

It may be helpful for teachers to have students make or make multiple boards for students to refer to during the game.

Print out of the board below

115	42	123	11	77	6
14	92	120	21	49	65
58	83	67	54	110	39
72	81	95	9	136	45