Nimble Numbers

You need ☑ a classmate   ☑ a computer

Game

Play this game with a classmate.

- Set up a spreadsheet file like this one.

> **Note that when you enter a formula, it will not show on the spreadsheet. For example, cell A1 will show 0 at this stage, not the formula shown here.**
>
> **(When you click on a cell, the formula appears in the formula bar at the top.)**

	A	B
1	=A50+A51	The numbers added
2	=A50–A51	The second number subtracted from the first number
3	=A50*A51	The numbers multiplied
4	=A50/A51	The first number divided by the second number

Hidden formulae

- While player B looks away, player A enters two different whole numbers into cells A50 and A51 then scrolls back to the top of the spreadsheet. (The number in A51 must be a factor of the number in A50.)

- Player B then works out what numbers player A entered.

For example, if player A entered 12 into cell A50 and 4 into cell A51, player B would see:

The numbers add up to 16. I'll try 10 + 6.

Hang on. 10 – 6 is only 4, and I need 8.

=A50+A51

	A	B
1	16	The numbers added
2	8	The second number subtracted from the first number
3	48	The numbers multiplied
4	3	The first number divided by the second number

- When player B has worked out the numbers, they tell player A their answer. Player B scrolls down to A50 and A51 to check.

- If player B is right, they get a point. They then enter new numbers into cells A50 and A51 while player A looks away.

- If player B is wrong, player A gets a point and then enters two new numbers.

- The winner is the first player to get 5 points.

Using estimation and number strategies to solve problems