

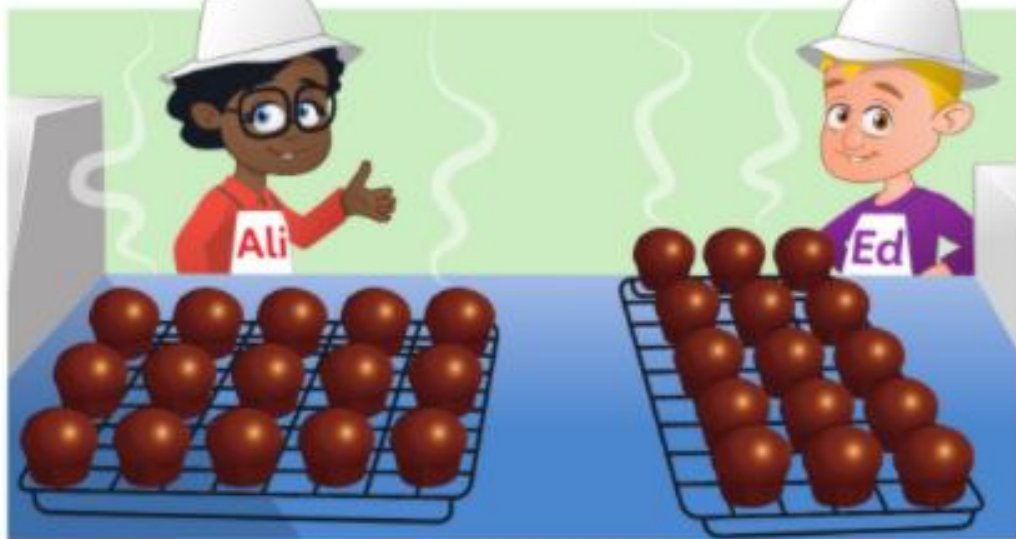
Using arrays



Discover



Ali

Ed



- 1 a) How many  did Ali bake in total?
How did you work out the answer?
- b) How many  did Ed bake in total?
Did he bake more than Ali?

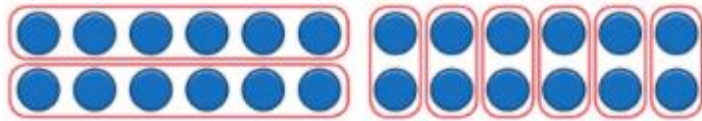
Think together



- 1 a) Here are some counters in a 6×2 array.

How many counters are there?

Show how to work it out in two ways.



$$\square + \square = \square \quad \square + \square + \square + \square + \square + \square = \square$$

$$\square \times \square = \square \quad \square \times \square = \square$$

- b) The cakes are ordered in a 10×5 array.

How many cakes are there?

Show two ways of working it out.



$$\square \times \square = \square$$

$$\square \times \square = \square$$

When objects are arranged in rows and columns like this, they are called arrays. You can find the total by adding the amount in the rows or the columns.

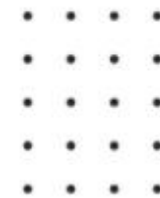


- 2 Complete the number sentences to find the total number of dots.



$$4 + 4 + 4 + 4 + 4 = 20$$

$$\square \times \square = \square$$



$$5 + 5 + 5 + 5 = \square$$

$$\square \times \square = \square$$

- 3 Show a 5×2 array in two different ways.

Show the groups in rows.

Show the groups in columns.

How many different additions and multiplications can you find?

I wonder how many different calculations I can make!



CHALLENGE