

## Noah



Noah saw 12 legs walk by into the Ark.

How many creatures could he have seen?

How many different answers can you find?



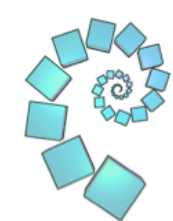
[nrich.maths.org](http://nrich.maths.org)

**NRICH problems inspire students to think and reason mathematically.**

NRICH activities challenge students to:

- solve non-routine problems that show mathematics as a connected subject
- make use of the structure of mathematics in order to predict, conjecture and generalise
- explain, justify and prove.

## Gabriel's Problem



Gabriel wrote the numbers 1-9 in a 3x3 grid.

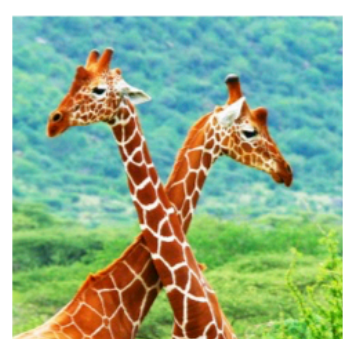
He then multiplied together all the numbers in each row and wrote the resulting product next to that row. He also multiplied the numbers in each column together, and wrote the product under that column.

He then rubbed out the numbers 1-9.

**Can you work out where Gabriel placed the numbers 1-9 in the grid?**

Did you have enough information, not enough, or exactly the right amount?

			24
			40
			378
60	21	288	



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NRICH resources introduce engaging activities in thought-provoking contexts. They encourage students to develop their mathematical fluency and creative and flexible thinking.