

You may recognise the following task. Therefore, see if you can complete it in a shorter amount of time.

Challenge:

Can you solve the following problems?

This problem requires learners to find common factors and offers a context in which they can explain their reasoning.

Possible approach

You could begin by having a partially completed multiplication square (or squares) on the board, with just a few gaps, for example:

7	5	35
3		12
	20	

8		24
		12
	18	

In the 2×2 multiplication square below, the boxes at the end of each row and the foot of each column give the result of multiplying the two numbers in that row or column.

7	5	35
3	4	12
21	20	

The 3×3 multiplication square below works in the same way. The boxes at the end of each row and the foot of each column give the result of multiplying the three numbers in that row or column.

			15
			108
			224
144	8	315	

The numbers 1 – 9 may be used once and

Now create your own problem/s below:

