

# Times tables

## Problem sheet

Can you find at least four ways of creating the four times table using the numbers in the one and two times tables and the four operations?

How many different ways of making the four times table like this do you think there are? Justify your answer.

Which of the four operations did you use to create the four times table? Can you create the four times table using subtraction or multiplication?

When you are ready, investigate the different ways you can make the six times table. Did anything surprise you?

Can you make the six times table by multiplying, adding or subtracting columns?

Can you explain any findings?

On a new spreadsheet, create the two and three times tables as efficiently as you can.

Why do you think you were efficient?

How often did you have to write in values or formulae?

### Extension

It is possible to create a full set of multiplication tables starting with the integers at the top of the rows and in the first column and by entering just one formula.

Use the spreadsheet 'Gridsheet' to start.

You might also find the idea of **absolute references** useful!