

The grid method of multiplication (1)

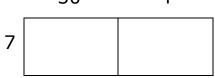
(2 digit x 1 digit)

Today your child's homework involves calculating/solving problems, using grid multiplication. This is a method of multiplication that allows children to see easily what numbers are being multiplied together. Below is an example showing the steps in this method.

Example: If there are 34 ice-creams in a box, how many would there be in 7 boxes?

So we need 34×7 .

First partition the 34 (split into tens and units/ones) and place on the outside of the grid. The 7 we are multiplying by is placed at the side of the grid. 30



The partitioned numbers are then multiplied by 7 using knowledge of simple multiplication facts and place value, e.g. to calculate 30x7 we use knowledge of 3x7=21 so 30x7=210.

	30	4
7	210	28

The numbers in the grid can now be added together mentally, e.g. 210+20+8=238.

This final number then needs to be used to answer the question: **There would be 238 ice-creams altogether.**