

Multiplication

There are two different methods that we use for multiplication. Both methods are acceptable and we advise children to use the method they prefer.

Conventional method for multiplication:

Work out 327×53

$$\begin{array}{r} 327 \\ \times 53 \\ \hline 981 \\ 16350 \\ \hline 17331 \end{array}$$

← 327×3
← 327×50

Using the grid method:

This is the other method that may be used to perform multiplication calculations.

Work out 327×53

x	300	20	7	Totals
50	15 000	1 000	350	16 350
3	900	60	21	981
	15 900	1 060	371	17 331

An example of multiplication can be found on the 'vle.mathswatch.co.uk' website. The clips provide a demonstration of the method and examples to practise.

Here is information on how to find the clip on the mathswatch website.

Select the Videos tab at the top of the page.

The screenshot shows the Mathswatch website interface. At the top, there is a blue navigation bar with the Mathswatch logo on the left and links for 'My Work', 'Videos', and 'Extras' in the center. On the right side of the navigation bar, there is a user account section with a profile picture, the text 'account Logout', and '186 days until renewal'. Below the navigation bar, there is a search area on the left titled 'Find a Clip' with filters for 'Qualification' (set to KS3), 'Standard' (set to All), 'Topic' (set to Number), and a search box containing 'multiplication'. On the right, there is a table titled 'Choose Clip (6)' with two columns: 'Clip' and 'Title'. The table lists six clips: N5 (Multiplication by 2, 3, 4, 5 and 10), N15a (Short Multiplication - Integers), N15b (Short Multiplication - Decimals), N28a (Long Multiplication - Integers), N28b (Long Multiplication - Decimals), and N43a (Estimating Answers - Multiplication).

Choose the clips shown above for integer and decimal multiplication.